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(See inside cover)

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NATIONAL PHOTOGRAPHIC
INTERPRETATION CENTER

**PHOTOGRAPHIC
EXPLOITATION
PRODUCTS**

**ANNUAL INDEX TO
PHOTOGRAPHIC EXPLOITATION PRODUCTS
JANUARY-DECEMBER 1976**

Secret

Declass Review by NIMA/DOD

NPIC/R-13/76

MARCH 1977

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INTRODUCTION

The Index to Photographic Exploitation Products is a guide to the contents of reports and memoranda produced by means of photographic interpretation. These are added to the Exploitation Products Data File (EPF) of the National Base of Image-Derived Information (NBIDI) when received by the National Photographic Interpretation Center (NPIC). The index includes imagery interpretation reports produced by various components of the Army, Navy, Air Force, Central Intelligence Agency, Defense Intelligence Agency, [redacted] as well as those produced by NPIC. At the request of the intelligence community, this publication is compiled and published quarterly then cumulated annually by NPIC for the use of properly cleared components of USIB member organizations.

Listed documents are on file in NPIC, and microfiche copies are available to requesters when parent organizations are unable to provide copies. Information, such as bibliographies on specific subjects, is available from the EPF to answer requests which cannot be satisfied from the PEP.

Requests for regular distribution of the PEP, for additional information from the EPF, or for microfiche copies of documents should be channeled through appropriate liaison offices located in NPIC. Organizations which do not have a liaison office in NPIC should submit the request in writing to: NPIC/PSG/RSD/1B.

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GUIDE TO USERS

The PEP consists of six indexes:

- Subject in alphabetic sequence.
- Originator in report type/number sequence.
- General category with subject in alphabetic sequence.
- Geographic coordinate sequence. (Geographic coordinates are listed where a single area is involved.)

- WAC/BE number sequence.
- Accession number sequence.

The accession number sequence may be referred to for complete information on each document, including edited abstracts. An asterisk at the end of an abstract indicates the abstract was prepared by the Reports Analysis Section. Selected information is contained in the other sequences. The accession number should be used when requesting microfiche copies of documents.

TYPICAL ACCESSION CITATION

AF	REPT	15-72	14 AUG 72	SEC CLASS: 07	MSN: [redacted]	3P	ACCN: S059381	25X1
BYDGOSZCZ AIRFIELD HANGARETTES U/C				COVER NEW	PL	530548N 0175843E		
WAC NO	: 0169	BE/OBJ NO: [redacted]	IDHS CODE: [redacted]	NPIC NO	20-A	25X1		
EPF CAT : 05A				COMIREX NO: [redacted]	25X1			

COMMENTS AND QUERIES REGARDING THIS REPORT ARE WELCOMED.
THEY MAY BE DIRECTED TO NPIC/PSG/RSD/IB/RAS, [redacted]

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ABBREVIATIONS AND NUMERIC CODES

REPORT TYPES

BIIB - Basic Imagery Interpretation Brief
BIIR - Basic Imagery Interpretation Report
BREF - Photographic Interpretation Brief
DPIR - Detailed Photographic Interpretation Report
ENDR - Engineering Drawing

IIM - Imagery Interpretation Memorandum
INFR - Inter-office Memorandum
IRA - Imagery Research Aid
LOT - Letter of Transmittal
MCP - Mission Track
MEMO - Memorandum
MODL - Model Announcement
NBRG - National Basic Reference Graphic

NEWS - Technical Newsletter

NOTE - Photographic Interpretation Note

PIN - Photographic Interpretation Note

PIR - Photographic Interpretation Report

REPT - Photographic Interpretation Report

SPIR - Special Photographic Intelligence Report

SUMP - Summary

TP - Technical Publication

SECURITY CLASSIFICATION

00 - UNCLASSIFIED

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07 - CONFIDENTIAL

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ORIGINATOR

ACDA - ARMS CONTROL AND DISARMAMENT AGENCY

NPIC - NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

AF - AIR FORCE

NSA - NATIONAL SECURITY AGENCY

ARMY - ARMY

NTPC - NATIONAL TECHNICAL PROCESSING CENTER

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CIA - CENTRAL INTELLIGENCE AGENCY

SAC - SAC (544th RTS)

DIA - DEFENSE INTELLIGENCE AGENCY

SAC-1 - SAC-1 (8th RTS)

GMAIC - GUIDED MISSILE AND ASTRONAUTICS INTELLIGENCE
COMMITTEE

SAC-2 - SAC-2 (3921 ST RTS)

[REDACTED]

SAC-C - SAC-C (15th RTS)

STL - SPACE TECHNOLOGY LABORATORY

JOINT - JOINT (2 or more USIB members participating)

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[REDACTED]

USIB - UNITED STATES INTELLIGENCE BOARD

NAVY - NAVY

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EPF SUBJECT CATEGORIES

05 - AIR ACTIVITY

Airfields, seaplane stations, aircraft, storage, production, research, training, aerohydrodynamic vehicles, and air defense activity.

10 - GENERAL ACTIVITY

Complex studies, unidentified installations/equipment, and terrain or agriculture analyses.

13 - BIOLOGICAL/CHEMICAL WARFARE ACTIVITY

Research, production, testing, training, and storage.

15 - COMPREHENSIVE REPORTS

Mission readouts, summaries, and country or area studies.

25 - ELECTRONICS/COMMUNICATIONS ACTIVITY

Radar and radio installations/equipment, missile, air, naval related installations/equipment, production, research, testing.

30 - INDUSTRIAL ACTIVITY

Raw materials, basic processing, heavy and light industry, chemical plants, and power facilities. (For shipbuilding, see NAVAL. For nuclear power plants, see NUCLEAR.)

35 - MILITARY ACTIVITY

Ground force installations/equipment, production, testing, research, and repair.

40 - MISSILES & SPACE ACTIVITY

Sites, research, production, storage, and equipment.

55 - NUCLEAR ACTIVITY

Mining, production, research, testing, storage, and nuclear power plants.

60 - OVERLAYS/PLOTS

Mission Coverage Plots, Mission Coverage Statistics, tracks, and annotated maps.

65 - RESEARCH AND DEVELOPMENT ACTIVITY

Technical publications and miscellaneous R&D installations.

75 - NAVAL ACTIVITY

Submarine bases, naval bases and air stations, shipyards, research, and equipment.

80 - STORAGE ACTIVITY (NON-MILITARY)

POL storage, agricultural storage, and industrial storage.

85 - TRANSPORT AND PIPELINE ACTIVITY

Road and rail activity, pipelines, and canal systems.

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PART I

Listing of Reports Alphabetically

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PART II

Listing of Reports by Originator

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	BIIR	RFB22-5001-76	AUG 75		07	S074638
AF	BIIR	RFB22-5002-76	DEC 75		05	S076608
AF	BIIR	RFB22-5003-76	DEC 75		05	S076919
AF	BIIR	RFB22-5004-76	DEC 75		04	S076920
AF	BIIR	RFB22-5006-76	MAY 76		07	S076966
AF	BIIR	RFB22-5007-76	JUN 76		04	S077187
AF	BIIR	RFB22-5009-76	MAY 76		05	S076967
AF	BREF	BEE04-8005-76	29 FEB 76		05	S076904
AF	BREF	BEE04-8006-76	29 FEB 76		05	S076905
AF	BREF	BEE04-8007-76	05 MAR 76		05	S075960
AF	BREF	BEE04-8009-76	26 MAR 76		05	S076403
AF	BREF	BEE04-8011-76	14 MAY 76		05	S076910
AF	BREF	BEE04-8017-76	23 JUL 76		05	S077670
AF	BREF	BEE05-8013-76	21 MAY 76		05	S076911
AF	BREF	BEE05-8015-76	21 JUN 76		05	S077845
AF	BREF	BEE10-8004-76	08 DEC 75		05	S075142
AF	BREF	BEE10-8014-76	27 MAY 76		05	S077850
AF	BREF	BEE22-8008-76	05 MAR 76		05	S075966
AF	BREF	BEE22-8010-76	26 MAR 76		05	S076402
AF	BREF	BEE24-8003-76	07 NOV 75		05	S075143
AF	ENDR	A1005-76	17 MAR 76		08	S076219

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	ENDR	A1014-75	15 OCT 75		07	S074357
AF	ENDR	A3002-76	19 MAR 76		07	S076274
AF	ENDR	A3009-75	22 OCT 75		07	S074775
AF	ENDR	B1015-75	15 OCT 75		07	S074355
AF	ENDR	B1016-76	06 JUL 76		08	S077214
AF	ENDR	C1006-76	03 MAR 76		05	S076228
AF	ENDR	C1010-76	25 MAR 76		07	S076226
AF	ENDR	C3003-76	01 MAR 76		07	S076229
AF	ENDR	C3007-76	20 AUG 76		07	S077811
AF	ENDR	C4001-75	13 NOV 75		07	S074779
AF	ENDR	D1008-76	24 MAR 76		05	S076543
AF	ENDR	D1009-75	03 NOV 75		07	S074783
AF	ENDR	D1016-75	29 OCT 75		04	S074784
AF	ENDR	D1018-76	19 JUL 76		04	S077467
AF	ENDR	D2001-76	01 APR 76		07	S076236
AF	ENDR	D3008-75	15 AUG 75		05	S074362
AF	ENDR	E1001-76	10 FEB 76		08	S076080
AF	ENDR	E1002-76	10 FEB 76		08	S076081
AF	ENDR	E1004-76	23 FEB 76		07	S076082
AF	ENDR	E1009-76	01 APR 76		07	S076262

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	ENDR	E1013-76	24 JUN 76		08	S077468
AF	ENDR	E1017-76	19 JUL 76		04	S077413
AF	ENDR	E1018-75	19 DEC 75		05	S075379
AF	ENDR	E3005-76	25 AUG 76		05	S077825
AF	ENDR	B1015-1-74	11 MAR 76		07	S076220
AF	ENDR	D1020-1-74	16 MAR 76		07	S076235
AF	ENDR	D4003-2-73	19 FEB 76		05	S076239
AF	ENDR	E1005-1-75	21 JUL 76		04	S077819
AF	ENDR	E1006-1-75	21 JUL 76		04	S077820
AF	ENDR	E1012-1-74	25 MAR 76		04	S076263
AF	ENDR	E1021-2-74	25 MAR 76		04	S076265
AF	NBRG	NDA07-5008-76	23 JAN 76		05	S075207
AF	NBRG	NDA07-5009-76	23 JAN 76		05	S075208
AF	NBRG	NDA07-5010-76	23 JAN 76		05	S075209
AF	NBRG	NDA07-5011-76	23 JAN 76		05	S075210
AF	NBRG	NDA07-5012-76	03 MAR 76		05	S075479
AF	NBRG	NDA07-5013-76	03 MAR 76		05	S075480
AF	NBRG	NDA07-5014-76	08 MAR 76		05	S075820
AF	NBRG	NDA07-5015-76	08 MAR 76		05	S075821
AF	NBRG	NDA07-5016-76	08 MAR 76		05	S075822
AF	NBRG	NDA07-5017-76	08 MAR 76		05	S075823

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	NBRG	NDA07-5018-76	08 MAR 76		05	S075824
AF	NBRG	NDA07-5019-76	08 MAR 76		05	S075825
AF	NBRG	NDA07-5020-76	08 MAR 76		05	S075826
AF	NBRG	NDA07-5021-76	08 MAR 76		05	S075827
AF	NBRG	NDA07-5022-76	02 JUN 76		05	S076679
AF	NBRG	NDA07-5023-76	02 JUN 76		05	S076680
AF	NBRG	NDA07-5024-76	14 JUN 76		05	S076954
AF	NBRG	NDA07-5025-76	14 JUN 76		05	S076955
AF	NBRG	NDA07-5026-76	14 JUN 76		05	S076956
AF	NBRG	NDA07-5115-76	19 APR 76		05	S076329
AF	REPT	1-76	13 JAN 76		07	S075343
AF	REPT	2-76	11 FEB 76		07	S076043
AF	REPT	3-76	12 JAN 76		04	S076044
AF	REPT	4-76	JAN 76		07	S076213
AF	REPT	5-76	10 MAR 76		07	S076214
AF	REPT	6-76	23 MAR 76		07	S076215
AF	REPT	7-75	06 OCT 75		05	S074314
AF	REPT	7-76	19 MAY 76		07	S077195
AF	REPT	8-75	14 JAN 76		05	S075344
AF	REPT	8-76	30 JUN 76		05	S077449

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
AF	REPT	9-75	06 JAN 76		07	S075342
AF	REPT	9-76	02 JUL 76		05	S077775
ARMY	BIIB	BAC24-5002-76	SEP 76		07	S077663
ARMY	BIIR	RAC24-5002-76	OCT 75		05	S074456
ARMY	BIIR	RAC24-5003-76	DEC 75		05	S075477
ARMY	BIIR	RAC24-5005-76	DEC 75		05	S075018
ARMY	BREF	BAC24-5001-76	DEC 75		08	S075136
ARMY	LOT	912-75	12 SEP 75		05	S075138
ARMY	NOTE	11-76	SEP 76		05	S077830
ARMY	NOTE	26-75	OCT 75		05	S075974
ARMY	REPT	RAC24-5004-76	MAR 76		08	S076613
ARMY	REPT	RAC24-8002-76	APR 76		05	S077831
ARMY	REPT	RAC24-8003-76	JUL 76		05	S077832
ARMY	REPT	RAC24-8004-76	AUG 76		05	S077833
ARMY	TP	TP001-76	SEP 76		04	S077904
ARMY	TP	TP002-76	APR 76		08	S076023

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
CIA	BIIR	RCS13-0012-76	MAY 76		05	S076663
CIA	BIIR	RCS13-0016-76	JUN 76		05	S077122
CIA	BIIR	RCS13-0018-76	MAY 76		05	S076958
CIA	BIIR	RCS13-0019-76	JUN 76		05	S077006
CIA	BIIR	RCS13-0020-76	MAY 76		05	S076959
CIA	BIIR	RCS13-0021-76	JUL 76		05	S077129
CIA	BIIR	RCS13-0022-76	JUL 76		05	S077232
CIA	BIIR	RCS13-0031-76	JUN 76		05	S077041
CIA	BIIR	RCS13-0032-76	JUL 76		05	S077166
CIA	BIIR	RCS13-0033-76	JUN 76		05	S077130
CIA	BIIR	RCS13-0035-76	AUG 76		05	S077667
CIA	INFR	ERD136-76	30 APR 76		05	S076629
CIA	INFR	LFD003-76	12 MAR 76		05	S075813
CIA	INFR	MSD099-76	08 APR 76		05	S076137
CIA	INFR	MSD161-76	28 JUN 76		05	S077107
CIA	INFR	TSD177-76	25 AUG 76		05	S077602
DIA	IIM	5D-05442-76	30 AUG 76		05	S077552
DIA	IIM	5D-05497-76	14 SEP 76		05	S077660
DIA	NBRG	NDA07-5001-76	08 DEC 75		05	S074633

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5002-76	09 DEC 75		05	S074621
DIA	NBRG	NDA07-5003-76	09 DEC 75		05	S074622
DIA	NBRG	NDA07-5004-76	09 DEC 75		05	S074623
DIA	NBRG	NDA07-5005-76	09 DEC 75		05	S074624
DIA	NBRG	NDA07-5006-76	15 DEC 75		05	S074724
DIA	NBRG	NDA07-5007-76	15 DEC 75		05	S074725
DIA	NBRG	NDA07-5027-76	07 JUL 76		05	S077034
DIA	NBRG	NDA07-5028-76	30 JUL 76		05	S077307
DIA	NBRG	NDA07-5029-76	30 JUL 76		05	S077308
DIA	NBRG	NDA07-5030-76	30 JUL 76		05	S077309
DIA	NBRG	NDA07-5031-76	30 JUL 76		05	S077310
DIA	NBRG	NDA07-5032-76	30 JUL 76		05	S077311
DIA	NBRG	NDA07-5033-76	30 JUL 76		05	S077312
DIA	NBRG	NDA07-5034-76	30 JUL 76		05	S077313
DIA	NBRG	NDA07-5035-76	30 JUL 76		05	S077314
DIA	NBRG	NDA07-5036-76	30 JUL 76		05	S077315
DIA	NBRG	NDA07-5037-76	30 JUL 76		05	S077316
DIA	NBRG	NDA07-5038-76	30 JUL 76		05	S077317
DIA	NBRG	NDA07-5039-76	30 JUL 76		05	S077318
DIA	NBRG	NDA07-5040-76	30 JUL 76		05	S077319
DIA	NBRG	NDA07-5041-76	30 JUL 76		05	S077320

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ORIG	TYPE	REPT NO.	DATE	CONTRL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5042-76	30 JUL 76		05	S077321
DIA	NBRG	NDA07-5043-76	30 JUL 76		05	S077322
DIA	NBRG	NDA07-5044-76	30 JUL 76		05	S077323
DIA	NBRG	NDA07-5045-76	30 JUL 76		05	S077324
DIA	NBRG	NDA07-5046-76	30 JUL 76		05	S077325
DIA	NBRG	NDA07-5047-76	30 JUL 76		05	S077326
DIA	NBRG	NDA07-5048-76	30 JUL 76		05	S077327
DIA	NBRG	NDA07-5049-76	30 JUL 76		05	S077328
DIA	NBRG	NDA07-5050-76	23 AUG 76		05	S077532
DIA	NBRG	NDA07-5051-76	23 AUG 76		05	S077533
DIA	NBRG	NDA07-5052-76	23 AUG 76		05	S077534
DIA	NBRG	NDA07-5053-76	23 AUG 76		05	S077535
DIA	NBRG	NDA07-5054-76	23 AUG 76		05	S077536
DIA	NBRG	NDA07-5055-76	23 AUG 76		05	S077537
DIA	NBRG	NDA07-5056-76	31 AUG 76		05	S077518
DIA	NBRG	NDA07-5057-76	31 AUG 76		05	S077519
DIA	NBRG	NDA07-5058-76	31 AUG 76		05	S077520
DIA	NBRG	NDA07-5059-76	05 OCT 76		05	S077772
DIA	NBRG	NDA07-5060-76	20 SEP 76		05	S077867
DIA	NBRG	NDA07-5061-76	20 SEP 76		05	S077868

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DIA	NBRG	NDA07-5062-76	20 SEP 76		05	S077869
DIA	NBRG	NDA07-5063-76	20 SEP 76		05	S077870
DIA	NBRG	NDA07-5064-76	20 SEP 76		05	S077871
DIA	NBRG	NDA07-5065-76	20 SEP 76		05	S077872
DIA	NBRG	NDA07-5066-76	20 SEP 76		05	S077873
DIA	NBRG	NDA07-5067-76	20 SEP 76		05	S077874
DIA	NBRG	NDA07-5068-76	20 SEP 76		05	S077875
DIA	NBRG	NDA07-5069-76	20 SEP 76		05	S077876
DIA	NBRG	NDA07-5070-76	20 SEP 76		05	S077877
DIA	NBRG	NDA07-5071-76	20 SEP 76		05	S077878
DIA	NBRG	NDA07-5072-76	20 SEP 76		05	S077879
DIA	NBRG	NDA07-5073-76	20 SEP 76		05	S077880
DIA	NBRG	NDA07-5074-76	20 SEP 76		05	S077881
DIA	NBRG	NDA07-5075-76	20 SEP 76		05	S077882
DIA	NBRG	NDA07-5076-76	20 SEP 76		05	S077883
DIA	NBRG	NDA07-5077-76	20 SEP 76		05	S077884
DIA	NBRG	NDA07-5078-76	20 SEP 76		05	S077885
DIA	NBRG	NDA07-5079-76	20 SEP 76		05	S077886
DIA	NBRG	NDA07-5080-76	20 SEP 76		05	S077887
DIA	NBRG	NDA07-5081-76	20 SEP 76		05	S077888
DIA	NBRG	NDA07-5082-76	20 SEP 76		05	S077889

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5083-76	20 SEP 76		05	S077890
DIA	NBRG	NDA07-5084-76	20 SEP 76		05	S077891
DIA	NBRG	NDA07-5085-76	20 SEP 76		05	S077892
DIA	NBRG	NDA07-5086-76	20 SEP 76		05	S077893
DIA	NBRG	NDA07-5087-76	20 SEP 76		05	S077894
DIA	NBRG	NDA07-5088-76	15 SEP 76		05	S077684
DIA	NBRG	NDA07-5089-76	15 SEP 76		05	S077685
DIA	NBRG	NDA07-5090-76	15 SEP 76		05	S077686
DIA	NBRG	NDA07-5091-76	15 SEP 76		05	S077687
DIA	NBRG	NDA07-5092-76	15 SEP 76		05	S077688
DIA	NBRG	NDA07-5093-76	15 SEP 76		05	S077689
DIA	NBRG	NDA07-5094-76	15 SEP 76		05	S077690
DIA	NBRG	NDA07-5095-76	15 SEP 76		05	S077691
DIA	NBRG	NDA07-5096-76	15 SEP 76		05	S077692
DIA	NBRG	NDA07-5097-76	15 SEP 76		05	S077693
DIA	NBRG	NDA07-5098-76	24 SEP 76		05	S077895
DIA	NBRG	NDA07-5099-76	24 SEP 76		05	S077896
DIA	NBRG	NDA07-5100-76	24 SEP 76		05	S077897
DIA	NBRG	NDA07-5101-76	24 SEP 76		05	S077898
DIA	NBRG	NDA07-5102-76	27 SEP 76		05	S077899

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ORIG	TYPE	REPT NO.	DATE	CONTROL NO.	SEC CLASS	ACCN NO.
DIA	NBRG	NDA07-5103-76	27 SEP 76		05	S077900
DIA	NBRG	NDA07-5104-76	30 SEP 76		05	S077901
DIA	NBRG	NDA07-5105-76	30 SEP 76		05	S077753
DIA	NBRG	NDA07-5106-76	30 SEP 76		05	S077754
DIA	NBRG	NDA07-5107-76	30 SEP 76		05	S077755
DIA	NBRG	NDA07-5108-76	30 SEP 76		05	S077756
DIA	NBRG	NDA07-5109-76	30 SEP 76		05	S077757
DIA	NBRG	NDA07-5110-76	30 SEP 76		05	S077758
DIA	NBRG	NDA07-5112-76	05 OCT 76		05	S077768
DIA	NBRG	NDA07-5113-76	05 OCT 76		05	S077769
DIA	NBRG	NDA07-5114-76	05 OCT 76		05	S077770
DIA	NBRG	NDA07-5116-76	05 OCT 76		05	S077771
DIA	NBRG	NDA07-5117-76	30 SEP 76		05	S077759

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Approved For Release 2005/11/21 : CIA-RDP78B04560A007500010005-8

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PART III

Listing of Reports by General Subject

Approved For Release 2005/11/21 : CIA-RDP78B04560A007500010005-8

25X1

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PART IV

Listing of Reports by Coordinates

Approved For Release 2005/11/21 : CIA-RDP78B04560A007500010005-8

25X1

Approved For Release 2005/11/21 : CIA-RDP78B04560A007500010005-8

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PART V

Listing of Reports by WAC/BE Number

25X1

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PART VI

Listing of Reports by Accession Number

Approved For Release 2005/11/21 : CIA-RDP78B04560A007500010005-8

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R-13/76

25X1

AF REPT 7-75 06 OCT 75 SEC CLASS: 05 MSN: 3P ACCN: S074314
25X1 SPACE, SL-8 LAUNCH VEHICLE UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 40H COMIREX NO:
THIS REPORT PROVIDES A DETAILED DESCRIPTION AND DIMENSIONS OF THE SL-8 LAUNCH VEHICLE.*

AF ENDR B1015-75 15 OCT 75 SEC CLASS: 07 MSN: 1P ACCN: S074355
25X1 MISSILES, AA-7 UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 40J COMIREX NO:
AF ENDR A1014-75 15 OCT 75 SEC CLASS: 07 MSN: 1P ACCN: S074357
25X1 MISSILES, AA-8 UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 40J COMIREX NO:
AF ENDR D3008-75 15 AUG 75 SEC CLASS: 05 MSN: 1P ACCN: S074362
25X1 SPACE, SL-8 LAUNCH VEHICLE UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 40H COMIREX NO:

75
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25X1

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R-13/76

25X1



ARMY BIIR RAC24-5002-76 OCT 75 SEC CLASS: 05 MSN: 11P ACCN: 5074456
25X1 ELECTRONICS, TWIN BOX ECM INTERCEPT ANTENNA UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 25 COMIREX NO:
25X1 MILITARY, GAZ-66 CARGO TRUCK/TWIN BOX ANTENNA UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 35E COMIREX NO:

THE SOVIET-MANUFACTURED TWIN BOX, AN ELECTRONIC COUNTERMEASURE (ECM) DEVICE, IS DESIGNATED THE RPS-5M. THE TWIN BOX IS A MOBILE, TRUCK-MOUNTED UNIT, READILY IDENTIFIABLE BY THE CONFIGURATION OF THE ANTENNA BOXES AND THE VAN-BODIED GAZ-66 TRUCK. INCLUDED IN THE REPORT ARE ANNOTATED PHOTOGRAPHS, DETAILED LINE DRAWINGS WITH DIMENSIONS, AND A LIST OF THE IMAGERY AND DOCUMENT REFERENCES USED.

NAVY BIIR RNG23-5001-76 OCT 75 SEC CLASS: 04 MSN: 11P ACCN: 5074458
25X1 NAVAL, 37MM TWIN OPEN NAVAL AA GUN UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 75R COMIREX NO:

SECRET

R-13/76

25X1

25X1
NAVAL, 37MM TWIN OPEN NAVAL AA GUN
WAC NO : BE/OBJ NO: [REDACTED] CH
IDHS CODE: EPF CAT : 75H NPIC NO :
COMIREX NO:

THIS REPORT PROVIDES A DETAILED, IMAGERY-DERIVED ANALYSIS OF THE 37-MM/63 (1.46 IN) TWIN OPEN
ANTIAIRCRAFT GUN, BASED ON GROUND AND AERIAL PHOTOGRAPHS. IT INCLUDES SELECTED PHOTOGRAPHS OF THE GUN. IN
ADDITION, ANNOTATED PHOTOGRAPHS OF SELECTED SHIP CLASSES EQUIPPED WITH THE 37-MM/63 (1.46 IN) TWIN OPEN AA
GUN ARE SHOWN.

THE INTELLIGENCE CUTOFF DATE FOR THIS REPORT IS [REDACTED]

25X6
25X1

77
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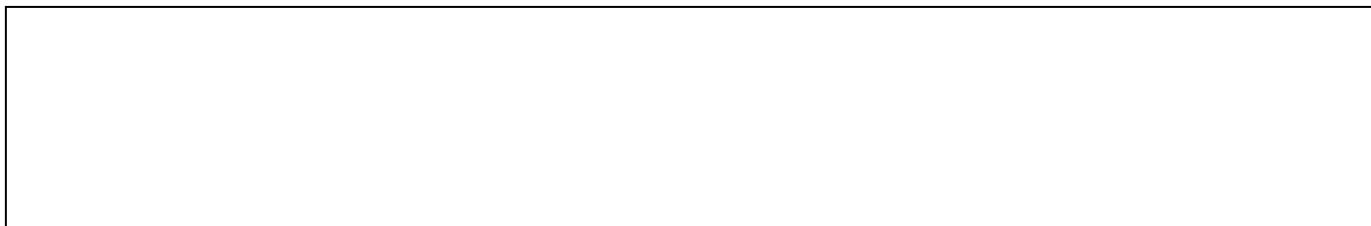
25X1

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R-13/76

25X1

25X6



AF BIIR RFB22-5001-76 AUG 75 SEC CLASS: 07 MSN: 15P ACCN: S074638

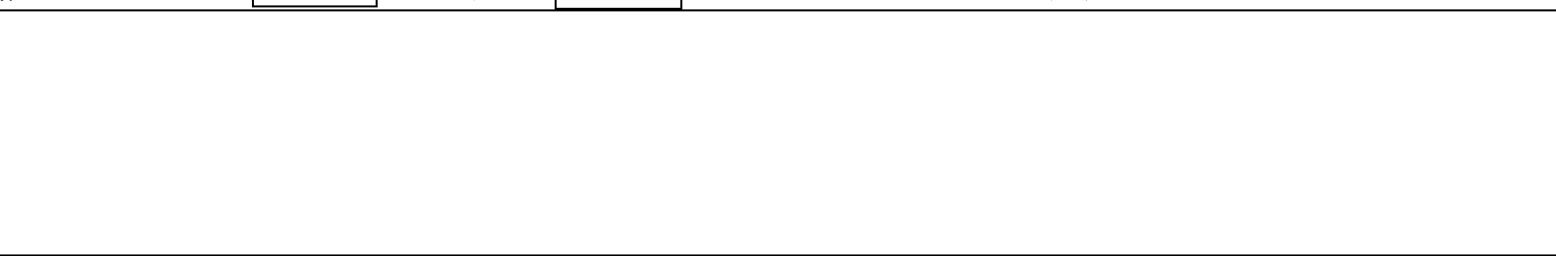
25X1 AIRCRAFT, FITTER C SU-17/20

WAC NO : BE/0BJ NO: UR
IDHS CODE: EPF CAT : 05D NPIC NO :
COMIREX NO:

25X1 25X1 THIS REPORT PRESENTS AN ANALYSIS OF THE FITTER C (SU-17/20). A SINGLE-PLACE, SINGLE-ENGINE, VARIABLE-GEOMETRY-WING (VGW) FIGHTER DESIGNED BY THE P.O. SUKHOI SPECIAL DESIGN BUREAU (OKB). THE REPORT CONTAINS A BASIC DESCRIPTION, ENGINEERING DRAWINGS, AND SELECTED PHOTOGRAPHY OF THE AIRCRAFT.

25X1 THE FITTER C HAS A FUSELAGE LENGTH OF AND A MID-MOUNTED WING THAT SPANS IN THE FULLY SWEPT POSITION, AND IN THE EXTENDED (30-DEGREE) POSITION.

25X9



NAVY BIIR RNG23-5007-76 NOV 75 SEC CLASS: 04 MSN: 13P ACCN: S074733

25X1 SHIPS, VANYA-1/2 CLASS MSC

WAC NO : BE/0BJ NO: UR
IDHS CODE: EPF CAT : 75D NPIC NO :
COMIREX NO:

25X1 SHIPS, VANYA CLASS MHC

WAC NO : BE/0BJ NO: UR
IDHS CODE: EPF CAT : 75D NPIC NO :
COMIREX NO:

SECRET

R-13/76

25X1

THIS REPORT PROVIDES AN IMAGERY-DERIVED ANALYSIS OF THE VANYA CLASS MSC COASTAL MINESWEEPER, THE MODIFIED VANYA CLASS MSC, AND THE VANYA CLASS MHC COASTAL MINEHUNTER. IT INCLUDES BASIC DIMENSIONAL CHARACTERISTICS, ELECTRONIC AND ARMAMENT INVENTORIES, PROVISIONAL SCALE DRAWINGS, RECOGNITION PHOTOGRAPHS AND ANNOTATED PHOTOGRAPHY OF SHIPS EQUIPMENT-INCLUDING THE DIFFERENCE IN EQUIPMENT AND SHIP DESIGN AMONG THE THREE VANYA TYPES, AND REFERENCE DATA, TO DISTINGUISH THE VANYA MSC FROM THE MODIFIED VERSION. THE FORMER IS DESIGNATED VANYA-I MSC WHILE THE MODIFIED VERSION IS DESIGNATED THE VANYA-II MSC.

THE THREE DIFFERENT VANYA TYPES ARE CONSTRUCTED ON THE SAME BASIC HULL, WHICH IS [REDACTED]
LONG, WITH A BEAM OF [REDACTED]
THE INTELLIGENCE CUTOFF DATE FOR THIS REPORT IS SEPTEMBER 1975.

25X1

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25X1

ACCN: S074775

ACCN: S074779

ACCN: S074783

ACCN: S074784

25X1

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25X1

COLLIMATION OF THE LAUNCH TUBES WITH THE SIGHT IS PROBABLY EFFECTED BY MECHANICAL LINKAGE AND THAT INFRA-RED DETECTION IS POSSIBLY INCORPORATED IN THE EXTERNAL DEVICE.
THE REPORT CONTAINS TWO LINE DRAWINGS AND TWO ANNOTATED PRINTS.

ARMY BIIR RAC24-5005-76 DEC 75 SEC CLASS: 05G MSN: 17P ACCN: S075018
25X1 MILITARY, TMS-65 DECONTAMINATION VEHICLE UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : COMIREX NO:

THIS REPORT, WHICH IS BASED ON INFORMATION DERIVED FROM SELECTED GROUND AND AERIAL IMAGERY AND FROM INTELLIGENCE REPORTS, CONTAINS A DETAILED DESCRIPTION OF THE TMS-65 DECONTAMINATION VEHICLE MOUNTED ON A URAL-375E TRUCK CHASSIS. THE REPORT ALSO TREATS THE OPERATIONAL PROCEDURES OF THE VEHICLE.
THE TMS-65 DECONTAMINATION VEHICLE IS THE FIRST GAS-TURBINE ENGINE (TURBOJET) TYPE DECONTAMINATION APPARATUS TO APPEAR IN THE SOVIET INVENTORY. THE CAPABILITY OF DECONTAMINATION OF THE EXTERIOR OF AN ARMORED FIGHTING VEHICLE IN 90 SECONDS MAKES THE TMS-65 UNIQUE TO SOVIET DECONTAMINATION EQUIPMENT AND DECONTAMINATION PROCEDURES.

ARMY BREF BAC24-5001-76 DEC 75 SEC CLASS: 08B MSN: 2P ACCN: S075136
25X1 AIRCRAFT, HOUND MI-4 MODIFIED UR
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 05D COMIREX NO:

THIS DIRECT SUPPORT IMAGERY INTERPRETATION BRIEF (DSIIB) IS BASED ON HAND-HELD PHOTOGRAPHY AND RELATED COLLATERAL MATERIALS. THE BRIEF DESCRIBES MI-4 HOUND HELICOPTERS WITH MODIFIED ANTENNA SYSTEMS OBSERVED IN THE SOVIET UNION AN INTRODUCTION, A BASIC DESCRIPTION, PHOTOS, AND A LINE DRAWING ARE INCLUDED, AS WELL AS A DOCUMENT AND PHOTOGRAPH REFERENCE LIST.

ARMY LUT 912-75 12 SEP 75 SEC CLASS: 05G MSN: 7F ACCN: S075138

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MISSILES, SA-8 TRANSPORTER-LAUNCHER
WAC NO : BE/OBJ NO: UR
IDHS CODE: EPF CAT : 40C NPIC NO :
COMIREX NO:

THIS REPORT GIVES THE APPROXIMATE DIMENSIONS OF THE SA-8 TRANSPORTER/LAUNCHER. THREE ARTIST'S DRAWINGS SHOW THE TRANSPORTER/LAUNCHER ERECTED IN THE FIRING POSITION, FOLDED INTO THE TRAVEL POSITION, AND THE SA-8 VEHICLE WITH A FLAT CANVAS-COVERED SUPERSTRUCTURE. IDENTIFICATION OF THE LAST ITEM CANNOT BE MADE.*

25X6

MILITARY, ORGANIZATION/EQUIPMENT RECON BN
WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 35 COMIREX NO:

THIS DIRECT SUPPORT IMAGERY INTERPRETATION BRIEF (DSIIB) PROVIDES FURTHER INFORMATION ON THE CHANGE IN THE TABLE OF ORGANIZATION AND EQUIPMENT (TO+E) OF THE SOVIET RECONNAISSANCE BATTALION, AS WELL AS A PROBABLE UPGRADING OF EQUIPMENT IN THE RECONNAISSANCE COMPANY ASSIGNED TO TANK AND MOTORIZED RIFLE REGIMENTS. THIS BRIEF IS AN EXPANSION AND UPDATE OF THE DSIIB OF 30 JUNE 1975, BEE 24-8020-75 (U).

25X6

81
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25X1

NAVY BIIR RNG23-5004-76 NOV 75 SEC CLASS: 04 MSN: 42P ACCN: S075203

25X1 SHIPS, KRIVAK CLASS DDGSP
WAC NO : BE/OBJ NO: [REDACTED] UR
IDHS CODE: EPF CAT : 75D NPIC NO :
COMIREX NO:

THIS REPORT PROVIDES A DETAILED, IMAGERY-DERIVED ANALYSIS OF THE KRIVAK CLASS GUIDED MISSILE DESTROYER (SSM AND POINT DEFENSE) (DDGSP) AND IS BASED ON HIGH RESOLUTION AERIAL AND GROUND PHOTOGRAPHY. IT INCLUDES BASIC DIMENSIONAL CHARACTERISTICS, COMPREHENSIVE ARMAMENT AND ELECTRONICS INVENTORIES, ANNOTATED PHOTOGRAPHIC ILLUSTRATIONS, PROVISIONAL SCALE DRAWINGS, AN INDIVIDUAL UNIT IDENTIFICATION SECTION, AND REFERENCE DATA.

25X1 KRIVAK REPRESENTS A MODERN, HIGHLY SOPHISTICATED, WELL-ARMED REPLACEMENT FOR THE OLDER SKORYY CLASS DD. THE [REDACTED] WIDE KRIVAK HULL SUPPORTS WEAPONRY TO ACCOMPLISH SUCH VARYING ROLES AS ASW, AAW, AND ANTISHIP WARFARE. THE STEPPED HULL, TAPERED SINGLE STACK AND RELATIVELY LOW SUPERSTRUCTURE GIVE THE KRIVAK A SLEEK LOW PROFILE.

THIS REPORT SUPERSEDES RNG-23/5006/72, KRIVAK CLASS DDGM, OF AUGUST 1971.
THE INTELLIGENCE CUTOFF DATE FOR THIS REPORT IS JUNE 1975.

25X6

82
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Approved For Release 2005/11/21 : CIA-RDP78B04560A007500010005-8

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AF	REPT	9-75	06 JAN 76	SEC CLASS: 07	MSN:	2P	ACCN: S075342
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25X1 AIRCRAFT, FLOGGER E/C MIG-23 RADOME COMP
WAC NO : BE/OBJ NO: [REDACTED] UR
IDHS CODE: EPF CAT : 05D NPIC NO :
COMIREX NO:
25X1 AIRCRAFT, FLOGGER C/E MIG-23 RADOME COMP
WAC NO : BE/OBJ NO: [REDACTED] UR
IDHS CODE: EPF CAT : 05D NPIC NO :
COMIREX NO:
AF REPT 1-76 13 JAN 76 SEC CLASS: 07 MSN: 2P ACCN: S075343
ELECTRONICS, SPOON REST EW/ACQ RADAR UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 25A COMIREX NO:

THE NEW EIGHT-BAY SPOON REST AT PACKENDORF, SZG, WAS ANALYZED TO PROVIDE THE MEASUREMENTS OF THE LENGTH
OF THE BOOM, THE HORIZONTAL SPACING BETWEEN ADJACENT YAGIS AND THE VERTICAL SPACING BETWEEN ADJACENT
YAGIS.*

AF REPT 8-75 14 JAN 76 SEC CLASS: 05 MSN: 2P ACCN: S075344
25X1 25X1 WARSZAWA RADAR WORKS T1 ANTENNAS PL 521407N 0210534E
WAC NO : 0168 BE/OBJ NO: [REDACTED] NPIC NO : - 114-C2
IDHS CODE: [REDACTED] EPF CAT : 25E COMIREX NO:

THIS REPORT PROVIDES MEASUREMENTS OF UNIDENTIFIED HEIGHT FINDER (HIGH- AND LOW-MAST AND TRUCK-MOUNTED)
ANTENNAS AT WARSAW T-1 FACTORY.*

AF ENDR E1018-75 19 DEC 75 SEC CLASS: 05 MSN: 1P ACCN: S075379
25X1 AIRCRAFT, FITTER B SU-17 UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 05D COMIREX NO:

84
SECRET [REDACTED]

25X1

SECRET/ [REDACTED]

R-13/76

25X1

ARMY	BIIR	RAC24-5003-76	DEC 75	SEC CLASS: 05	MSN:	23P	ACCN: S075477
25X1	AIRCRAFT, HIND MI-24			UR	NPIC NO :		
	WAC NO :	BE/OBJ NO:	COMIREX NO:				
	IDHS CODE:	EPF CAT :	UR				
	AIRCRAFT, HOOK MI-6				NPIC NO :		
	WAC NO :	BE/OBJ NO:	COMIREX NO:				
	IDHS CODE:	EPF CAT :	UR				
	AIRCRAFT, HOPLITE MI-2				NPIC NO :		
	WAC NO :	BE/OBJ NO:	COMIREX NO:				
	IDHS CODE:	EPF CAT :	UR				
	AIRCRAFT, HOUND MI-4				NPIC NO :		
	WAC NO :	BE/OBJ NO:	COMIREX NO:				
	IDHS CODE:	EPF CAT :	UR				
	AIRCRAFT, HIP C MI-8				NPIC NO :		
	WAC NO :	BE/OBJ NO:	COMIREX NO:				
	IDHS CODE:	EPF CAT :	UR				
	MILITARY, ZPU-2 14.5MM AA MACHINE GUN				NPIC NO :		
	WAC NO :	BE/OBJ NO:	COMIREX NO:				
	IDHS CODE:	EPF CAT :	UR				
	MILITARY, M-1943 57MM ANTI-TANK GUN				NPIC NO :		
	WAC NO :	BE/OBJ NO:	COMIREX NO:				
	IDHS CODE:	EPF CAT :	UR				
	MILITARY, 120MM MORTAR				NPIC NO :		
	WAC NO :	BE/OBJ NO:	COMIREX NO:				
	IDHS CODE:	EPF CAT :	UR				
	MILITARY, SD-44 .85MM ANTI-TANK GUN				NPIC NO :		
WAC NO :	BE/OBJ NO:	COMIREX NO:					
IDHS CODE:	EPF CAT :	UR					
MILITARY, AK-47 7.62MM ASSAULT RIFLE			NPIC NO :				
WAC NO :	BE/OBJ NO:	COMIREX NO:					
IDHS CODE:	EPF CAT :	UR					
MILITARY, UB-16-57U ROCKET LAUNCHER A/C			NPIC NO :				
WAC NO :	BE/OBJ NO:	COMIREX NO:					
IDHS CODE:	EPF CAT :	UR					
MILITARY, D-30 122MM HOWITZER			NPIC NO :				
WAC NO :	BE/OBJ NO:	COMIREX NO:					
IDHS CODE:	EPF CAT :	UR					
MILITARY, GAZ-66 CARGO TRUCK			NPIC NO :				
WAC NO :	BE/OBJ NO:	COMIREX NO:					
IDHS CODE:	EPF CAT :	UR					
MISSILES, ATM-3			NPIC NO :				

85
SECRET/ [REDACTED]

25X1

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R-13/76

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25X1
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : [REDACTED] COMIREX NO:
MISSILES, ATM-2
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 40 COMIREX NO:
UR
MILITARY, HELICOPTER UNITS
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 35 COMIREX NO:
UR

THIS REPORT DISCUSSES THE THREE BASIC TYPES OF SOVIET HELICOPTER UNITS -- GENERAL SUPPORT, AIRMOBILE, AND AERIAL ASSAULT. EACH UNIT IS DESCRIBED IN TERMS OF ITS MISSION, ORGANIZATION, COMMAND AND CONTROL, EQUIPMENT, CAPABILITIES, TRAINING, AND TACTICAL EMPLOYMENT. WEAKNESSES AND PROBLEM AREAS ARE DISCUSSED IN A SEPARATE PARAGRAPH. THE INFORMATION IS BASED ON HAND-HELD AND AERIAL PHOTOGRAPHY, AND ON RELATED COLLATERAL MATERIALS. INCLUDED IN THE REPORT ARE CONCEPTUAL DRAWINGS, PHOTOGRAPHS, AND A PHOTOGRAPH AND DOCUMENT REFERENCE LIST. INFORMATION IN THIS REPORT IS CURRENT AS OF NOVEMBER 1975.

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86
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R-13/76

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CIA INFR LFD003-76 12 MAR 76

SEC CLASS: 05 MSN:

2P

ACCN: S075813

SUEZ CANAL WIDENING/MILITARY ACTIVITY
WAC NO : 0447 BE/OBJ NO:
IDHS CODE: EPF CAT : 85F
SUEZ CANAL WIDENING/MILITARY ACTIVITY
WAC NO : 0447 BE/OBJ NO:
IDHS CODE: EPF CAT : 35

EG 3032//N 03221//E
NPIC NO :
COMIREX NO:
EG 3032//N 03221//E
NPIC NO :
COMIREX NO:

25X1

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87
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R-13/76

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AF BREF BEE22-8008-76 05 MAR 76

SEC CLASS: 05 MSN:

4P

ACCN: S075966

SAKI AIRFIELD FREEHAND YAK-36 IDENTIFICATION

UR 450529N 0333616E

WAC NO : 0250

NPIC NO : - 59

IDHS CODE: [REDACTED]

EPF CAT : 05A

COMIREX NO: [REDACTED]

AIRCRAFT, FREEHAND YAK-36

UR

WAC NO :

NPIC NO :

IDHS CODE:

EPF CAT : 05D

COMIREX NO:

THIS DIRECT SUPPORT IMAGERY INTERPRETATION BRIEF (DSIIB) PRESENTS INFORMATION ON THE INITIAL SIGHTING
OF THE YAK-36/SOVIET V/STOL FIGHTER AIRCRAFT AT SAKI AIRFIELD, USSR [REDACTED] THE INFORMATION
PRESENTED IN THIS REPORT IS CURRENT AS OF [REDACTED] AND INCLUDES DATA DERIVED FROM SATELLITE IMAGERY
OF [REDACTED] THE BRIEF INCLUDES A DESCRIPTION OF THE AIRFIELD, A SUMMARY OF YAK-36 DEVELOPMENTS IN
THE SOVIET UNION, AND ILLUSTRATIVE SELECT PRINTS.

25X1

25X1

ARMY NOTE

26-75

OCT 75

SEC CLASS: 05 MSN:

3P

ACCN: S075974

89
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25X1

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R-13/76

25X1

25X1 MOSKVA AIRFIELD CENTRAL A/C + WPNS DISPLAY UR 554719N 0373150E
25X1 WAC NO : 0167 BE/OBJ NO: [redacted] NPIC NO : - 46-K
IDHS CODE: [redacted] EPF CAT : 05A COMIREX NO: [redacted]
25X1 MOSKVA AIRFIELD CENTRAL A/C + WPNS DISPLAY UR 554719N 0373150E
25X1 WAC NO : 0167 BE/OBJ NO: [redacted] NPIC NO : - 46-K
IDHS CODE: [redacted] EPF CAT : 05 COMIREX NO: [redacted]

25X1

AF REPT 2-76 11 FEB 76 SEC CLASS: 07 MSN: 3P ACCN: S076043
25X1 ELECTRONICS, ACE LOW ANTENNAS BACK NET MTD UR
WAC NO : BE/OBJ NO: [redacted] NPIC NO :
IDHS CODE: EPF CAT : COMIREX NO:
AF REPT 3-76 12 JAN 76 SEC CLASS: 04 MSN: 2P ACCN: S076044
AIRCRAFT, FLAGON E SU-15 UR
WAC NO : BE/OBJ NO: [redacted] NPIC NO :
IDHS CODE: EPF CAT : 05D COMIREX NO:
ANALYSIS OF PHOTOGRAPHY OF THE FLAGON E REVEALS A RADIO COMPASS ATOP THE FUSELAGE, POSSIBLE RADIO
ALTIMETERS, AND AN ODD RODS ANTENNA.*
AF ENDR E1001-76 10 FEB 76 SEC CLASS: 08 MSN: 1P ACCN: S076080
25X1 AIRCRAFT, FLOGGER B MIG-23 UR
WAC NO : BE/OBJ NO: [redacted] NPIC NO :
IDHS CODE: EPF CAT : COMIREX NO:
AF ENDR E1002-76 10 FEB 76 SEC CLASS: 08 MSN: 1P ACCN: S076081
AIRCRAFT, FLOGGER D MIG-23 UR
WAC NO : BE/OBJ NO: [redacted] NPIC NO :
IDHS CODE: EPF CAT : 05D COMIREX NO:
AF ENDR E1004-76 23 FEB 76 SEC CLASS: 07 MSN: 1P ACCN: S076082
AIRCRAFT, COOT A UR

90
SECRET/ [redacted]

25X1

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R-13/76

25X1

25X1	WAC NO : IDHS CODE: BE/OBJ NO: EPF CAT : USD	NPIC NO : COMIREX NO:
CIA	INFR MSD099-76 08 APR 76	SEC CLASS: 05 MSN: 5P ACCN: S076137
	MISSILES, SA-2 EQUIPMENT STORAGE WAC NO : BE/OBJ NO: EPF CAT : 40C	UR NPIC NO : COMIREX NO:
THE AREAS WITHIN TEN KILOMETERS OF TEN SELECTED SOVIET SA-2 SITES HAVE BEEN SEARCHED FOR EXTRA SA-2 EQUIPMENT STORED IN MILITARY FACILITIES. THIS SEARCH WAS CONDUCTED TO ASCERTAIN THE VALIDITY OF A REPORT THAT THREE COMPLETELY EQUIPPED SA-2 BATTALIONS MANNED ONE SA-2 SITE ON A ROTATIONAL BASIS, WITH THE MEN AND EQUIPMENT OF THE TWO RESERVED BATTALIONS BEING GARRISONED NEARBY		
25X1		
25X1	AF REPT 4-76 JAN 76	SEC CLASS: 07 MSN: 3P ACCN: S076213
25X1	AIRCRAFT, BACKFIRE B WAC NO : BE/OBJ NO: EPF CAT : USD	UR NPIC NO : COMIREX NO:
25X1	AF REPT 5-76 10 MAR 76	SEC CLASS: 07 MSN: 3P ACCN: S076214
25X1	AIRCRAFT, CHARGER B NK-144 ENGINE AFTERBURNER WAC NO : BE/OBJ NO: EPF CAT : 05D	UR NPIC NO : COMIREX NO:
25X1	AF REPT 6-76 23 MAR 76	SEC CLASS: 07 MSN: 2P ACCN: S076215
25X1	SPACE, SOYUZ-19 ABORT/SEPARATION TOWER WAC NO : BE/OBJ NO: EPF CAT : 40H	UR NPIC NO : COMIREX NO:
25X1	AF ENDR A1005-76 17 MAR 76	SEC CLASS: 08 MSN: 1P ACCN: S076219
25X1	AIRCRAFT, FLOGGER D MIG-23 BOMB/ROCKET WAC NO : BE/OBJ NO: EPF CAT : USD	UR NPIC NO : COMIREX NO:
25X1	AF ENDR B1015-1-74 11 MAR 76	SEC CLASS: 07 MSN: 1P ACCN: S076220

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25X1

25X1	MISSILES, AS-4 WAC NO : IDHS CODE:	BE/OBJ NO: EPF CAT :	UR NPIC NO : COMIREX NO:			
AF	ENDR C1010-76 25 MAR 76		SEC CLASS: 07 MSN:	1P		ACCN: S076226
	MISSILES, SA-8 WAC NO : IDHS CODE:	BE/OBJ NO: EPF CAT :	UR NPIC NO : COMIREX NO:			
AF	ENDR C1006-76 03 MAR 76		SEC CLASS: 05 MSN:	1P		ACCN: S076228
	ELECTRONICS, TAKU A AW RADAR WAC NO : IDHS CODE:	ANTENNA BE/OBJ NO: EPF CAT : 25A	CH NPIC NO : COMIREX NO:			
AF	ENDR C3003-76 01 MAR 76		SEC CLASS: 07 MSN:	1P		ACCN: S076229
	SPACE, SOYUZ-19 ABORT TOWER WAC NO : IDHS CODE:	BE/OBJ NO: EPF CAT : 40H	UR NPIC NO : COMIREX NO:			
AF	ENDR D1020-1-74 16 MAR 76		SEC CLASS: 07 MSN:	1P		ACCN: S076235
	MISSILES, SA-9 CANISTERS BRDM-2 MOUNTED WAC NO : IDHS CODE:	BE/OBJ NO: EPF CAT : 40C	UR NPIC NO : COMIREX NO:			
AF	ENDR D2001-76 01 APR 76		SEC CLASS: 07 MSN:	1P		ACCN: S076236
25X1	AIRCRAFT, BACKFIRE B FUSELAGE CROSS SECTIONS WAC NO : IDHS CODE:	BE/OBJ NO: EPF CAT : 00D	UR NPIC NO : COMIREX NO:			25X6

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R-13/76

25X1

25X1 AIRCRAFT, BACKFIRE B
WAC NO : BE/OBJ NO : UR
IDHS CODE: EPF CAT : NPIC NO :
COMIREX NO:
AF ENDR E1012-1-74 25 MAR 76 SEC CLASS: 04 MSN: 1P ACCN: S076263
AIRCRAFT, FLAGON E SU-15
WAC NO : BE/OBJ NO : UR
IDHS CODE: EPF CAT : NPIC NO :
COMIREX NO:
AF ENDR E1021-2-74 25 MAR 76 SEC CLASS: 04 MSN: 1P ACCN: S076265
MISSILES, AA-3 VARIANTS
WAC NO : BE/OBJ NO : UR
IDHS CODE: EPF CAT : NPIC NO :
COMIREX NO:
AF ENDR A3002-76 19 MAR 76 SEC CLASS: 07 MSN: 1P ACCN: S076274
MISSILES, AA-8 LAUNCH RAIL
WAC NO : BE/OBJ NO : UR
IDHS CODE: EPF CAT : 40J NPIC NO :
COMIREX NO:
25X6

NPIC MEMO EGD014-76 10 MAY 76 SEC CLASS: 05 MSN: 4P ACCN: S076390
25X1 25X1 CHENCHANG RADIO RELAY STATION NE BUNKER CONST CH 395050N 1153550E
WAC NO : 0382 BE/OBJ NO : NPIC NO : - 71-C
IDHS CODE: EPF CAT : COMIREX NO:
25X1
THIS MEMO DESCRIBES THE OBSERVATION OF A BUILDING UNDER CONSTRUCTION AT THE CHEN-CHANG RADREL STATION
NE/BNK. CONSTRUCTION APPEARED COMPLETE BY [REDACTED] AND THE BUILDING COULD BE USED AS AN AIR-RAID
SHELTER.*
25X6

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25X1

25X6

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AF	BIIR	RFB22-5002-76	DEC 75	SEC CLASS: 05	MSN:	18P	ACCN: S076608
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25X1

AIRCRAFT, FOXBAT B MIG-25
WAC NO : BE/OBJ NO:
IDHS CODE: EPF CAT : 05D

UR
NPIC NO :
COMIREX NO:

THIS REPORT PRESENTS AN ANALYSIS OF THE FOXBAT B (MIG-25), A SINGLE-PLACE, TWIN-ENGINE, SWEPTWING, SUPERSONIC, PHOTO RECONNAISSANCE AIRCRAFT DESIGNED BY THE A.I. MIKOYAN SPECIAL DESIGN BUREAU (OKB). THE REPORT INCLUDES A BASIC DESCRIPTION, ENGINEERING DRAWINGS, AND SELECTED PHOTOGRAPHY OF THE AIRCRAFT.

25X1

ARMY	REPT	RAC24-5004-76	MAR 76	SEC CLASS: 08	MSN:	38P	ACCN: S076613
25X1	<p>AIRCRAFT, HOOK MI-6 WAC NO : BE/OBJ NO: IDHS CODE: EPF CAT : UR NPIC NO : COMIREX NO:</p> <p>AIRCRAFT, HOPLITE MI-2 WAC NO : BE/OBJ NO: IDHS CODE: EPF CAT : UR NPIC NO : COMIREX NO:</p> <p>AIRCRAFT, HOUND MI-4 WAC NO : BE/OBJ NO: IDHS CODE: EPF CAT : UR NPIC NO : COMIREX NO:</p> <p>AIRCRAFT, HARE MI-1 WAC NO : BE/OBJ NO: IDHS CODE: EPF CAT : UR NPIC NO : COMIREX NO:</p> <p>AIRCRAFT, HIP C MI-8 WAC NO : BE/OBJ NO: IDHS CODE: EPF CAT : UR NPIC NO : COMIREX NO:</p> <p>MISSILES, ATM-2 WAC NO : BE/OBJ NO: IDHS CODE: EPF CAT : UR NPIC NO : COMIREX NO:</p> <p>MISSILES, ATM-3 WAC NO : BE/OBJ NO: UR NPIC NO :</p>						

SECRET

25X1

R-13/76

25X1 IDHS CODE: EPF CAT : 40 COMIREX NO:
MILITARY, UB-16-57U ROCKET LAUNCHER A/C MTD UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 35E COMIREX NO:
25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:
MILITARY, A-12.7P 12.7MM MACHINE GUN A/C MTD UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 35E COMIREX NO:
25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:
MILITARY, RPK 7.62MM MACHINE GUN UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 35E COMIREX NO:
25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:
MILITARY, AK-47 7.62MM ASSAULT RIFLE UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 35E COMIREX NO:
25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:
AIRCRAFT, HIND MI-24 UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 05D COMIREX NO:
25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:
MILITARY, S-3K 132MM AIR-TO-SURFACE ROCKET UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 35E COMIREX NO:
25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:
MILITARY, S-5K 57MM AIR-TO-SURFACE ROCKET UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 35E COMIREX NO:
25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:
MILITARY, S-5M 57MM AIR-TO-SURFACE ROCKET UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 35E COMIREX NO:
25X1 IDHS CODE: EPF CAT : 35E COMIREX NO:
MILITARY, S-5M AIR-TO-AIR ROCKET UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 35E COMIREX NO:

THIS DIRECT SUPPORT IMAGERY INTERPRETATION REPORT (DSIIR) DISCUSSES ARMED SOVIET HELICOPTERS AND THE WEAPONS MOUNTED ON THEM. THE DSIIR IS BASED ON HANDHELD PHOTOGRAPHY AND RELATED MATERIALS. THE REPORT CONTAINS A BASIC TEXT, PHOTOGRAPHS, LINE DRAWINGS, AND A PHOTOGRAPHY AND DOCUMENT REFERENCE LIST. THE INFORMATION CONTAINED IN THE REPORT IS CURRENT AS OF DECEMBER 1975.

CIA INFR ERD136-76 30 APR 76 SEC CLASS: 05 MSN: 3P ACCN: S076629
25X1 VOLGODONSK NUCLEAR REACTOR FAB PLANT POSS U/C UR 473010N 0421310E
WAC NO : 0249 BE/OBJ NO: [REDACTED] NPIC NO : - 42-E
IDHS CODE: [REDACTED] EPF CAT : 55A COMIREX NO:

25X1

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R-13/76

25X1

25X1

CIA BIIR RCS13-0012-76 MAY 76 SEC CLASS: 05 MSN: 6P ACCN: S076663

25X1
25X1

NOVOKUYBYSHEVSK CHEMICAL COMBINE
WAC NO : 0165 BE/OBJ NO: UR 530524N 0495315E
IDHS CODE: NPIC NO :
EPF CAT : 30F COMIREX NO:

NOVOKUYBYSHEVSK CHEMICAL COMBINE PROCESSES FEEDSTOCKS FROM THE ADJACENT PETROLEUM REFINERY INTO SEVERAL PETROCHEMICAL PRODUCTS, INCLUDING SYNTHETIC ALCOHOL, ACETYLENE, POLYETHYLENE, PHENOL, AND ACETONE.

THE CHEMICAL COMBINE BEGAN OPERATING IN 1957 AND UNDERWENT EXPANSION UNTIL THE MID-1960S. DURING THE 1971-1975 FIVE YEAR PLAN NO NEW PROCESSING PLANTS WERE ADDED TO THE COMBINE; HOWEVER, PROCESSING EQUIPMENT WAS ADDED TO THE ACETYLENE AND PROBABLE METHYL-STYRENE PLANTS.

THIS REPORT INCLUDES A DISCUSSION OF THE CHEMICAL COMBINE, AND TABLES SUMMARIZING ITS PRODUCTION AREAS AND THE VOLUME OF MAJOR PRODUCTION BUILDINGS. A PHOTOGRAPH, WITH LOCATION MAP INSETS, IS ALSO PROVIDED.

25X6

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AF BIIR RFB22-5003-76

DEC 75

SEC CLASS: 05

14P

ACCN: S076919

25X1 AIRCRAFT, FOXBAT C MIG-25
WAC NO : BE/OBJ NO: [REDACTED] UR
IDHS CODE: EPF CAT : 05D NPIC NO :
COMIREX NO:

THIS REPORT PRESENTS AN ANALYSIS OF THE FOXBAT C (MIG-25), A TANDEM COCKPIT, TRAINER VERSION OF THE MIKOYAN-DESIGNED FOXBAT TWIN-ENGINE, SWEPTWING FIGHTER. THE REPORT CONTAINS A BASIC DESCRIPTION, ORTHOGRAPHIC ENGINEERING DRAWINGS, AND SELECTED PHOTOGRAPHY OF THE AIRCRAFT.

25X1 THE FOXBAT C HAS A FUSELAGE LENGTH OF [REDACTED] AND A WINGSPAN OF [REDACTED] MEASURED FROM CENTER-TO-CENTER OF THE WINGTIP MASS-BALANCE PROBES.

25X1

AF BIIR RFB22-5004-76

DEC 75

SEC CLASS: 04

22P

ACCN: S076920

25X1 MISSILES, RD-107 MISSILE/SPACE BOOSTER
WAC NO : BE/OBJ NO: [REDACTED] UR
IDHS CODE: EPF CAT : 40I NPIC NO :
COMIREX NO:

THIS REPORT PRESENTS A PHOTOGRAPHIC ANALYSIS OF THE SOVIET RD-107, LIQUID BIPROPELLANT ROCKET ENGINE. IT INCLUDES A BASIC DESCRIPTION, MENSURAL AND CONFIGURAL ANALYSIS, ENGINEERING DRAWINGS, AND SELECTED PHOTOGRAPHY.

THE RD-107 ENGINE IS A LIQUID BIPROPELLANT ROCKET ENGINE CONSISTING OF A SINGLE-STAGE TURBOPUMP ASSEMBLY, FOUR MAIN THRUST CHAMBERS AND TWO SMALLER, PIVOTABLE, VERNIER THRUST CHAMBERS. THE OVERALL SIZE OF THE RD-107 ENGINE, INCLUDING THRUST CHAMBERS AND TURBOPUMP ASSEMBLY, [REDACTED] INCHES IN LENGTH. A VARIANT, THE RD-108 ENGINE, HAS FOUR MAIN CHAMBERS WITH FOUR VERNIER CHAMBERS.

25X6

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CIA BIIR RCS13-0018-76 MAY 76 SEC CLASS: 05 MSN: 6P ACCN: S076958

25X1
25X1 NAVOI CHEMICAL COMBINE UR 400638N 0652003E
WAC NO : 0327 BE/OBJ NO: [REDACTED] NPIC NO : - 5
IDHS CODE: [REDACTED] EPF CAT : 30F COMIREX NO:

NAVOI CHEMICAL COMBINE PROCESSES NATURAL GAS FROM THE BUKHARA GAS FIELDS INTO THESE GENERAL FEEDSTOCK CHEMICALS -- AMMONIA, ACETYLENE, AND HYDROGEN CYANIDE. OTHER PRODUCTS, DERIVED FROM THE ABOVE FEEDSTOCKS, INCLUDE -- AMMONIUM NITRATE, ACRYLONITRILE, ACETALDEHYDE, NITRIC ACID, AND CELLULOSE ACETATE.

BETWEEN 1961 AND 1968, AN INITIAL FERTILIZER PRODUCTION SECTION CONSISTING OF AMMONIA, NITRIC ACID, AND AMMONIUM NITRATE PLANTS WAS CONSTRUCTED, AND CONSTRUCTION BEGAN ON ACETYLENE, ACRYLONITRILE, AND HYDROGEN CYANIDE PLANTS, AS WELL AS POSSIBLE ACETALDEHYDE AND CELLULOSE ACETATE PLANTS. BETWEEN 1968 AND 1971, A SECOND FERTILIZER SECTION WAS BUILT AND CONSTRUCTION BEGAN ON A LIQUID HYDROGEN PLANT. BY 1971, ALL PLANTS WERE OPERATIONAL WITH THE EXCEPTION OF THE ACRYLONITRILE, HYDROGEN CYANIDE, AND LIQUID HYDROGEN PLANTS WHICH APPARENTLY DID NOT BEGIN OPERATION UNTIL 1972. DURING THE 1971-75 FIVE-YEAR PLAN, THE ACRYLONITRILE SECTION WAS EXPANDED, AND CONSTRUCTION BEGAN ON A SPINNING MILL AND TWO UNIDENTIFIED PLANTS.

CIA BIIR RCS13-0020-76 MAY 76 SEC CLASS: 05 MSN: 6P ACCN: S076959

25X1
25X1 SALAVAT PETROLEUM REFINERY + CHEMICAL COMBINE UR 532438N 0555400E
WAC NO : 0165 BE/OBJ NO: [REDACTED] NPIC NO : - 26
IDHS CODE: [REDACTED] EPF CAT : 50 COMIREX NO:

THE PETROLEUM REFINERY AT THE SALAVAT PETROLEUM REFINERY AND CHEMICAL COMBINE PRODUCES FUELS AND PETROCHEMICAL FEEDSTOCKS; THE PETROCHEMICAL PLANT PROCESSES THESE FEEDSTOCKS AND NATURAL GAS INTO SUCH PRODUCTS AS UREA AND AMMONIUM NITRATE FERTILIZERS, POLYSTYRENE, POLYETHYLENE, ACETYLENE, NITRIC ACID, AND SULFUR. ETHYLENE OXIDE, ETHYLENE GLYCOL, AND SYNTHETIC ALCOHOLS MAY ALSO BE PRODUCED.

THE PETROLEUM REFINERY BEGAN OPERATING IN 1955. THE FIRST UNITS OF THE PETROCHEMICAL PLANT WERE UNDER CONSTRUCTION BY THE EARLY 1960S. DURING THE 1971-1975 FIVE-YEAR PLAN, A SECOND ETHYLENE PLANT, A POLYSTYRENE PLANT, AND A LARGE UNIDENTIFIED PLANT WERE COMPLETED. A NEW UREA FERTILIZER LINE AND AN UNIDENTIFIED PROCESSING PLANT WERE STILL UNDER CONSTRUCTION WHEN THE COMBINE WAS LAST OBSERVED [REDACTED]

25X1

AF BIIR RFB22-5006-76 MAY 76 SEC CLASS: 07 MSN: 6P ACCN: S076966

MISSILES, AS-4
UR

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25X1

25X1

WAC NO : BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 40J COMIREX NO:

25X1

THIS REPORT PRESENTS AN UPDATED ANALYSIS OF THE KITCHEN (AS-4), A CLIPPED DELTA WING, ROCKET-POWERED,
AIR-TO-SURFACE MISSILE (ASM) CARRIED BY THE SOVIET BLINDER B BOMBER. THE KITCHEN ASM

25X1

THE REPORT INCLUDES A BASIC DESCRIPTION, ORTHOGRAPHIC ENGINEERING DRAWINGS, AND SELECTED PHOTOGRAPHY OF
THE SUBJECT MISSILE. THIS REPORT SUPERSEDES FTD BIIR, RFB-22/5024/69, KITCHEN, JUNE 1969.

25X6



25X1

CIA BIIR RCS13-0019-76 JUN 76 SEC CLASS: 05 MSN: 6P ACCN: 5077006
SHCHEKINO CHEMICAL COMBINE UR 540240N 0373230E
WAC NO : 0167 BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 30F COMIREX NO:

THE MAIN PRODUCTS OF THE SHCHEKINO CHEMICAL COMBINE ARE AMMONIA, METHANOL, FORMALDEHYDE, CARBONATE
RESINS, UREA, SULFURIC ACID, CAPROLACTAM, AND NYLON-6 FIBER. THE PRIMARY FEEDSTOCK FOR THE COMBINE IS

104
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25X1

CONFIDENCE LEVEL.
THE INTELLIGENCE CUTOFF DATE FOR THIS REPORT IS DECEMBER 1975.

ACCN: S077107

CIA	INFR	MSD161-76	28 JUN 76	SEC CLASS: 05	MSN:	1P	
SHANMEN SATELLITE LAUNCH FACILITY SEARCH				CH	3441 N 10621 E		
				NPIC NO:			
				COMIREX NO:			
				WAC NO : 0384	BE/OBJ NO:		
				IDHS CODE:	EPF CAT : 40H		
CIA	BIIR	RCS13-0016-76	JUN 76	SEC CLASS: 05	MSN:	16P	
INDUSTRY, PETROLEUM REFINERIES				EG			
				NPIC NO :			
				COMIREX NO:			
				WAC NO :	BE/OBJ NO:		
				IDHS CODE:	EPF CAT : 30B		
25X1	AL	ISKANDARIYAH PETROLEUM REFINERY/STGE GABIR		EG	310530N 0295130E		
25X1		WAC NO : 0448	BE/OBJ NO: [REDACTED]	NPIC NO :	- 2-E2		
		IDHS CODE: [REDACTED]	EPF CAT : 30B	COMIREX NO: [REDACTED]			
25X1	AL	ISKANDARIYAH PETROLEUM REFINERY/STGE GABIR		EG	310530N 0295130E		
25X1		WAC NO : 0448	BE/OBJ NO: [REDACTED]	NPIC NO :	- 2-E2		
25X1		IDHS CODE: [REDACTED]	EPF CAT : 80A	COMIREX NO: [REDACTED]			
25X1	AL	ISKANDARIYAH PETROLEUM RFY/STGE MEX SERCOP		EG	310945N 0295020E		
25X1		WAC NO : 0448	BE/OBJ NO: [REDACTED]	NPIC NO :	- 2-E1		
25X1		IDHS CODE: [REDACTED]	EPF CAT : 80A	COMIREX NO:			
25X1	AL	ISKANDARIYAH PETROLEUM RFY/STGE MEX SERCOP		EG	310845N 0295020E		
25X1		WAC NO : 0448	BE/OBJ NO: [REDACTED]	NPIC NO :	- 2-E1		
25X1		IDHS CODE: [REDACTED]	EPF CAT : 30B	COMIREX NO:			
25X1	AS	SUWAYS PETROLEUM REFINERY + STORAGE GROUP		EG	295733N 0323044E		
25X1		WAC NO : 0447	BE/OBJ NO: [REDACTED]	NPIC NO :	- 8-G		
25X1		IDHS CODE: [REDACTED]	EPF CAT : 30B	COMIREX NO:			
25X1	TANTA	PETROLEUM REFINERY		EG	304750N 0305735E		
25X1		WAC NO : 0447	BE/OBJ NO: [REDACTED]	NPIC NO :			
25X1		IDHS CODE: [REDACTED]	EPF CAT : 30B	COMIREX NO:			
25X1	AL	QAHIRAH PETROLEUM REFINERY + STGE MUSTURUD		EG	300843N 0311755E		
25X1		WAC NO : 0447	BE/OBJ NO: [REDACTED]	NPIC NO :	- 2-R2		
25X1		IDHS CODE: [REDACTED]	EPF CAT : 80A	COMIREX NO:			
25X1	AL	QAHIRAH PETROLEUM REFINERY + STGE MUSTURUD		EG	300843N 0311755E		
25X1		WAC NO : 0447	BE/OBJ NO: [REDACTED]	NPIC NO :	- 2-R2		
25X1		IDHS CODE: [REDACTED]	EPF CAT : 30B	COMIREX NO:			
25X1	AS	SUWAYS PETROLEUM REFINERY + STORAGE WEST		EG	265730N 0323015E		
25X1		WAC NO : 0447	BE/OBJ NO: [REDACTED]	NPIC NO :			
25X1		IDHS CODE: [REDACTED]	EPF CAT : 80A	COMIREX NO:			
		AS SUWAYS PETROLEUM REFINERY + STORAGE WEST		EG	265730N 0323015E		

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WAC NO : 0447 BE/OBJ NO: NPIC NO :
IDHS CODE: EPF CAT : 3UB COMIREX NO:
AS SUWAYS PETROLEUM REFINERY + STORAGE GROUP EG 295733N 0323044E
WAC NO : 0447 BE/OBJ NO: NPIC NO : - 8-G
IDHS CODE: EPF CAT : 80A COMIREX NO:

THE EGYPTIAN PETROLEUM REFINING INDUSTRY CONSISTS OF SIX REFINERIES, FOUR OF WHICH ARE IN OPERATION. THE OTHER TWO WERE DAMAGED BY THE ISRAELIS IN 1967 AND 1969, AND ARE STILL UNDER REPAIR. THE ESTIMATED CRUDE OIL CHARGE CAPACITY OF THE FOUR OPERATING REFINERIES IS 8.5-10.5 MILLION METRIC TONS A YEAR. ALTHOUGH THE FIRST OF THE SIX REFINERIES WAS BUILT IN 1947, THREE OF THEM WERE BUILT IN 1960.

ALTHOUGH THE FIRST OF THE SIX REFINERIES WAS BUILT IN 1913, THREE OF THEM WERE BUILT AFTER THE 1967 WAR. EGYPTIAN REFINERIES ARE PREDOMINANTLY OF FOREIGN DESIGN AND USE BRITISH, CZECHOSLOVAK, SOVIET, AND SWISS EQUIPMENT. THEY PRODUCE STRAIGHT-RUN AND HIGH-OCTANE GASOLINE, KEROSENE, DIESEL AND FUEL OILS, LUBRICATING OILS, WAX, ASPHALT, AND CAFFOEN HYDROCARBONS.

LUBRICATING OILS, WAX, ASPHALT, AND GASEOUS HYDROCARBONS.
THIS REPORT SUMMARIZES THE GROWTH AND CURRENT STATUS OF THE INDUSTRY. IT ALSO INCLUDES A BRIEF DESCRIPTION AND ANNOTATED PHOTOGRAPH OF EACH REFINERY.

CIA BIR RCS13-0021-76 JUL 76 SEC. CLASS: 05 MSN: 6B ACN: S277120

25X1

KEMEROVO CHEMICAL COMBINE NOVOKHIM PROCESSES FEEDSTOCKS, PROBABLY FROM A NEARBY COKE CHEMICAL PLANT, INTO FIBER FEEDSTOCKS AND FERTILIZERS. ITS MAIN PRODUCTS INCLUDE AMMONIA, CAPROLACTAM, AND METHANOL, AS WELL AS AMMONIUM NITRATE, AMMONIUM SULFATE, AND POSSIBLY UREA FERTILIZERS.

THE COMBINE BEGAN OPERATING IN 1960 AND HAS BEEN EXPANDING EVER SINCE. DURING THE 1971-75 FIVE YEAR PLAN, CONSTRUCTION WAS COMPLETED ON SEVERAL OF THE PRODUCTION PLANTS AND ON A THIRD DRILLING TOWER AT THE AMMONIUM NITRATE PLANT. [REDACTED]

25x1

CIA BIR RCS13-0033-76 JUN 76 SEC. CLASS: SF MEMO 16

6

UFA SYNTHETIC ALCOHOL PLANT IS A PETROCHEMICAL COMBINE WHICH PROCESSES FEEDSTOCKS FROM NEARBY PETROLEUM REFINERIES INTO POLYETHYLENE, SYNTHETIC ETHYL ALCOHOL, PHENOL, ACETONE, METHYLSTYRENE, AND ACETYLENE. BUTYL ALCOHOL AND SYNTHETIC RUBBER MAY ALSO BE PRODUCED.

THE FIRST PART OF THE PETROCHEMICAL COMPLEX TO BEGIN OPERATING WAS THE SYNTHETIC ETHYL ALCOHOL PLANT IN 1956. CONSTRUCTION OF ADDITIONAL PLANTS, INCLUDING TWO IMPORTED FROM [REDACTED] CONTINUED THROUGH THE 1960S AND EARLY 1970S. DURING THE 1971-75 FIVE YEAR PLAN, A SOVIET-DESIGNED

25X1

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POLYETHYLENE PLANT WAS COMPLETED AND THE PRODUCT PURIFICATION SECTION OF ONE OF THE TWO ETHYLENE PLANTS WAS EXPANDED.
THIS REPORT CONTAINS A BRIEF DISCUSSION OF THE COMBINE AND A TABLE SUMMARIZING MAJOR PRODUCTION AREAS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE COMBINE.

CIA BIIR RCS13-0032-76 JUL 76 SEC CLASS: 05 MSN: 6P ACCN: S077166
25X1 25X1
SUMGAIT PETROCHEMICAL COMBINE UR 403640N 0493537E
WAC NO : 0325 BE/OBJ NO: [REDACTED] NPIC NO : - 79-E1
IDHS CODE: [REDACTED] EPF CAT : 30F COMIREX NO:

SUMGAIT PETROCHEMICAL COMBINE IS PART OF A COMPLEX OF CHEMICAL AND PETROCHEMICAL PROCESSING FACILITIES ON THE CASPIAN SEACOAST ABOUT 35 KILOMETERS (KM) NORTHWEST OF BAKU. THE MAIN PRODUCTS THAT COULD BE IDENTIFIED ARE POLYETHYLENE, GASOLINE, AROMATICS (BTX), AND GASEOUS HYDROCARBONS. TECHNICAL OR CONSTRUCTION DIFFICULTIES APPARENTLY HAVE DELAYED THE START OF SYNTHETIC RUBBER PRODUCTION AT THE COMBINE. THE PETROCHEMICAL COMBINE REPORTEDLY BEGAN OPERATING IN 1963 AND EXPANSION HAS BEEN CONTINUOUS THROUGH MARCH 1976. PARTICULARLY SIGNIFICANT WAS THE EXPANSION DURING THE 1971-75 FIVE YEAR PLAN WHEN CONSTRUCTION WAS STARTED OR COMPLETED ON SIX PROCESSING UNITS.

THIS REPORT INCLUDES A GENERAL DISCUSSION OF THE COMBINE AND A TABLE SUMMARIZING ITS PRODUCTION AREAS AND VOLUMES OF MAJOR PRODUCTION BUILDINGS. THE TABLE IS KEYED TO A PHOTOGRAPH OF THE COMBINE.

AF BIIR RFB22-5007-76 JUN 76 SEC CLASS: 04 MSN: 16P ACCN: S077187
25X1
MISSILES, RD-119 MISSILE/SPACE BOOSTER UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: EPF CAT : 40I COMIREX NO:

THIS REPORT PRESENTS A PHOTOGRAPHIC ANALYSIS OF THE SOVIET RD-119 LIQUID BIPROPELLANT ROCKET ENGINE. IT INCLUDES A BASIC DESCRIPTION, MENSURAL AND CONFIGURAL ANALYSIS, ENGINEERING DRAWINGS, AND SELECTED PHOTOGRAPHY.

THE RD-119 ENGINE IS A LIQUID BIPROPELLANT ROCKET ENGINE WITH A SINGLE-STAGE TURBOPUMP, A SINGLE THRUST CHAMBER AND AN ATTITUDE CONTROL SYSTEM. THE OVERALL ENGINE ASSEMBLY SIZE, INCLUDING THE THRUST CHAMBER, THE TURBOPUMP ASSEMBLY, THE ATTITUDE CONTROL SYSTEM AND THE SUPPORT FRAMEWORK, IS [REDACTED]

25X1

AF REPT 7-76 19 MAY 76 SEC CLASS: 07 MSN: 2P ACCN: S077195
25X1
ELECTRONICS, UHF ANTENNA ARRAY CZ
WAC NO : BE/OBJ NO: [REDACTED]
IDHS CODE: EPF CAT : 25D NPIC NO :
COMIREX NO:

AF ENDR 81016-76 06 JUL 76 SEC CLASS: 08A MSN: 1P ACCN: S077214

108
SECRET

25X1

SECRET

R-13/76

25X1

25X1 MISSILES, AA-7
WAC NO : BE/OBJ NO: [REDACTED] UR
IDHS CODE: EPF CAT : 40U NPIC NO :
COMIREX NO:

CIA BIIR RCS13-0022-76 JUL 76 SEC CLASS: 05 MSN: 8P ACCN: S077232

25X1 SEVERODONETSK CHEMICAL PLANT
WAC NO : 0234 BE/OBJ NO: [REDACTED] UR 485630N 0382758E
IDHS CODE: EPF CAT : 30F NPIC NO : - 39
COMIREX NO:

25X1 LISICHANSK CHEMICAL COMBINE SEVERODONETSK IS ONE OF THE LARGEST PRODUCERS OF NYLON AND PLASTIC FEEDSTOCKS IN THE USSR. THE COMBINE ALSO PRODUCES ALL FOUR TYPES OF NITROGEN FERTILIZERS AND A VARIETY OF OTHER PRODUCTS.
THE CHEMICAL COMBINE BEGAN OPERATING IN THE MID-1950S AND HAS BEEN UNDERGOING EXPANSION ALMOST CONTINUOUSLY SINCE THAT TIME. DURING THE 1971-75 FIVE YEAR PLAN, FOUR NEW PLANTS WERE ADDED TO THE COMBINE.
THIS REPORT INCLUDES A GENERAL DESCRIPTION OF THE COMBINE, A TABLE SUMMARIZING ITS PRODUCTION AREAS AND THE VOLUMES OF MAJOR PRODUCTION BUILDINGS, AND PHOTOGRAPHS OF THE COMBINE.

DIA NBRG NDA07-5028-76 30 JUL 76 SEC CLASS: 05G MSN: 1P ACCN: S077307

25X1 TAIYUAN MILITARY AREA 1
WAC NO : 0382 BE/OBJ NO: [REDACTED] CH 3752 N 11233 E
IDHS CODE: EPF CAT : 35 NPIC NO :
COMIREX NO:

25X1 DIA NBRG NDA07-5029-76 30 JUL 76 SEC CLASS: 05G MSN: 1P ACCN: S077308

25X1 TAIYUAN ARMY BARRACKS + HEADQUARTERS AL9
WAC NO : 0382 BE/OBJ NO: [REDACTED] CH 374655N 1123545E
IDHS CODE: EPF CAT : 35A NPIC NO : - 12-C2
COMIREX NO: [REDACTED] 25X1

DIA NBRG NDA07-5030-76 30 JUL 76 SEC CLASS: 05G MSN: 1P ACCN: S077309

25X1 TAYU ARMY BARRACKS AL1
WAC NO : 0382 BE/OBJ NO: [REDACTED] CH 380900N 1124330E
IDHS CODE: EPF CAT : 35A NPIC NO : - 12-S8
COMIREX NO: [REDACTED] 25X1

DIA NBRG NDA07-5031-76 30 JUL 76 SEC CLASS: 05G MSN: 1P ACCN: S077310

25X1 TAIYUAN ARMY BARRACKS NORTH AL3
WAC NO : 0382 BE/OBJ NO: [REDACTED] CH 380356N 1123816E
NPIC NO : - 12-S

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25X1

25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]	25X1	
DIA	NBRG	NDA07-5032-76	30 JUL 76		
25X1	YUTZU MILITARY AREA 1				
25X1	WAC NO : 0382	BE/OBJ NO:	CH 3742 N 11244 E		
	IDHS CODE: [REDACTED]	EPF CAT :	NPIC NO :		
DIA	NBRG	NDA07-5033-76	30 JUL 76		
25X1	YUTZU ARMY BARRACKS AL2 + HQ INFANTRY D				
25X1	WAC NO : 0382	BE/OBJ NO:	CH 374228N 1124453E		
	IDHS CODE: [REDACTED]	EPF CAT :	NPIC NO : - 16-H		
DIA	NBRG	NDA07-5034-76	30 JUL 76		
25X1	TAIYUAN ARMY BARRACKS SE AL2				
25X1	WAC NO : 0382	BE/OBJ NO:	CH 374811N 1123626E		
	IDHS CODE: [REDACTED]	EPF CAT :	NPIC NO : - 12-T		
DIA	NBRG	NDA07-5035-76	30 JUL 76		
25X1	YUTZU ARMY BARRACKS AL1				
25X1	WAC NO : 0382	BE/OBJ NO:	CH 374347N 1124431E		
	IDHS CODE: [REDACTED]	EPF CAT :	NPIC NO : - 16-E		
DIA	NBRG	NDA07-5036-76	30 JUL 76		
25X1	CHIHSIEN ARMY BARRACKS AL1				
25X1	WAC NO : 0382	BE/OBJ NO:	CH 372146N 1121931E		
	IDHS CODE: [REDACTED]	EPF CAT :	NPIC NO : - 12-Z		
DIA	NBRG	NDA07-5037-76	30 JUL 76		
25X1	TAIKU ARMY BARRACKS AL1				
25X1	WAC NO : 0382	BE/OBJ NO:	CH 372508N 1123526E		
	IDHS CODE: [REDACTED]	EPF CAT :	NPIC NO : - 19-C		
DIA	NBRG	NDA07-5038-76	30 JUL 76		
25X1	HSINHSIEN MILITARY AREA 1				
25X1	WAC NO : 0382	BE/OBJ NO:	CH 3824 N 11247 E		
			NPIC NO :		

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25X1

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25X1

25X1 IDHS CODE: [] EPF CAT : 35 COMIREX NO:
 DIA NBRG NDA07-5039-76 30 JUL 76 SEC CLASS: 056 MSN: 1P ACCN: S077318

25X1 HSINHSIEN MILITARY BARRACKS AL1 + HQ INF DIV
 WAC NO : 0382 BE/OBJ NO: [] CH 382513N 1124406E
 IDHS CODE: [] EPF CAT : 35A NPIC NO : - 26-A
 COMIREX NO: []

25X1 DIA NBRG NDA07-5040-76 30 JUL 76 SEC CLASS: 056 MSN: 1P ACCN: S077319

25X1 TINGHSIANG ARMY BARRACKS AL3
 WAC NO : 0382 BE/OBJ NO: [] CH 382940N 1124458E
 IDHS CODE: [] EPF CAT : 35A NPIC NO : - 26-G
 COMIREX NO: []

25X1 DIA NBRG NDA07-5041-76 30 JUL 76 SEC CLASS: 056 MSN: 1P ACCN: S077320

25X1 TINGHSIANG ARMY BARRACKS SOUTH AL2
 WAC NO : 0382 BE/OBJ NO: [] CH 382825N 1125715E
 IDHS CODE: [] EPF CAT : 35A NPIC NO : - 26-B1
 COMIREX NO: []

25X1 DIA NBRG NDA07-5042-76 30 JUL 76 SEC CLASS: 056 MSN: 1P ACCN: S077321

25X1 YENTSUN ARMY BARRACKS AL1
 WAC NO : 0382 BE/OBJ NO: [] CH 381812N 1124230E
 IDHS CODE: [] EPF CAT : 35A NPIC NO : - 26-D3
 COMIREX NO: []

25X1 DIA NBRG NDA07-5043-76 30 JUL 76 SEC CLASS: 056 MSN: 1P ACCN: S077322

25X1 CHITSUN ARMY BARRACKS AL1
 WAC NO : 0382 BE/OBJ NO: [] CH 383224N 1123616E
 IDHS CODE: [] EPF CAT : 35A NPIC NO : - 26-F
 COMIREX NO: []

25X1 DIA NBRG NDA07-5044-76 30 JUL 76 SEC CLASS: 056 MSN: 1P ACCN: S077323

25X1 YUANPING MILITARY AREA 1
 WAC NO : 0382 BE/OBJ NO: [] CH 3842 N 11246 E
 IDHS CODE: [] EPF CAT : 35 NPIC NO :
 COMIREX NO: []

25X1 DIA NBRG NDA07-5045-76 30 JUL 76 SEC CLASS: 056 MSN: 1P ACCN: S077324

25X1 YUANPING MILITARY BARRACKS AL3 + HQ INF DIV
 WAC NO : 0382 BE/OBJ NO: [] CH 384237N 1124128E
 NPIC NO : - 15-A2

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25X1

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25X1

25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:			ACCN: S077325
DIA	NBRG	NDA07-5046-76	30 JUL 76	SEC CLASS: 056	MSN:	1P
25X1	FANCHIH ARMY BARRACKS AL1			CH 391108N 1131500E		
	WAC NO :	0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 88-C		
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]			25X1
DIA	NBRG	NDA07-5047-76	30 JUL 76	SEC CLASS: 056	MSN:	1P
25X1	TAIHSIEN ARMY BARRACKS AL1			CH 390445N 1125728E		
	WAC NO :	0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 130		
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]			25X1
DIA	NBRG	NDA07-5048-76	30 JUL 76	SEC CLASS: 056	MSN:	1P
25X1	NINGWU ARMY BARRACKS AL1			CH 385930N 1121720E		
	WAC NO :	0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 62-C		
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]			25X1
DIA	NBRG	NDA07-5049-76	30 JUL 76	SEC CLASS: 056	MSN:	1P
25X1	KUOHSIEN ARMY BARRACKS AL1			CH 385320N 1124525E		
	WAC NO :	0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 31-D		
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]			25X1
AF	ENDR	E1017-76	19 JUL 76	SEC CLASS: 04	MSN:	1P
25X1	AIRCRAFT, FOXBAT A MIG-25			UR		
	WAC NO :		BE/OBJ NO: [REDACTED]	NPIC NO :		25X6
	IDHS CODE:	EPF CAT : 05D	COMIREX NO: [REDACTED]			

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25X1

25X1	AF	ENDR	D1018-76	19 JUL 76	SEC CLASS: 04	MSN:	1P	ACCN: S077467
			MISSILES, AA-6 VARIANTS		UR			
			WAC NO : [REDACTED]	BE/OBJ NO: [REDACTED]	NPIC NO :			
			IDHS CODE: [REDACTED]	EPF CAT : 40J	COMIREX NO:			
25X1	AF	ENDR	E1013-76	24 JUN 76	SEC CLASS: 08	MSN:	1P	ACCN: S077468
			AIRCRAFT, FLOGGER C MIG-23		UR			
			WAC NO : [REDACTED]	BE/OBJ NO: [REDACTED]	NPIC NO :			
			IDHS CODE: [REDACTED]	EPF CAT : 05D	COMIREX NO:			
25X1	DIA	NBRG	NDA07-5056-76	31 AUG 76	SEC CLASS: 05G	MSN:	1P	ACCN: S077518
			NERCHINSK TACTICAL SSM BKS AL1 + HQ SS-1 BRGD		UR	515921N 1163534E		
25X1			WAC NO : 0202	BE/OBJ NO: [REDACTED]	NPIC NO :	- 81		
25X1			IDHS CODE: [REDACTED]	EPF CAT : 40D	COMIREX NO:	[REDACTED]		25X1
25X1	DIA	NBRG	NDA07-5057-76	31 AUG 76	SEC CLASS: 05G	MSN:	1P	ACCN: S077519
			NERCHINSKIY ZAVOD ARMY BARRACKS WEST AL1		UR	511840N 1193500E		
25X1			WAC NO : 0202	BE/OBJ NO: [REDACTED]	NPIC NO :	- 208		
25X1			IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:	[REDACTED]		25X1
25X1	DIA	NBRG	NDA07-5058-76	31 AUG 76	SEC CLASS: 05G	MSN:	1P	ACCN: S077520
			DOSATUY ARMY BARRACKS AL1		UR	502338N 1183905E		
25X1			WAC NO : 0202	BE/OBJ NO: [REDACTED]	NPIC NO :	- 219		
25X1			IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:	[REDACTED]		25X1
25X1	DIA	NBRG	NDA07-5050-76	23 AUG 76	SEC CLASS: 05B	MSN:	1P	ACCN: S077532
			BATUMI ARMY BARRACKS EAST AL1		UR	413811N 0414042E		
25X1			WAC NO : 0324	BE/OBJ NO: [REDACTED]	NPIC NO :	- 3-A		
25X1			IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:	[REDACTED]		25X1
25X1	DIA	NBRG	NDA07-5051-76	23 AUG 76	SEC CLASS: 05B	MSN:	1P	ACCN: S077533
			BATUMI ARMY BARRACKS GOGOL UL AL6		UR	413837N 0414003E		
25X1			WAC NO : 0324	BE/OBJ NO: [REDACTED]	NPIC NO :	- 3-H		
25X1			IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:	[REDACTED]		25X1

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25X1

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25X1

25X1	DIA	NBRG	NDA07-5052-76	23 AUG 76	SEC CLASS: 05B MSN:	1P	ACCN: S077534
25X1	BATUMI ARMY BARRACKS WEST AL2				UR 413800N 0413707E		
	WAC NO : 0324 BE/OBJ NO: [REDACTED]				NPIC NO : - 3-I		
	IDHS CODE: [REDACTED] EPF CAT : 35A				COMIREX NO: [REDACTED]		
25X1	DIA	NBRG	NDA07-5053-76	23 AUG 76	SEC CLASS: 05B MSN:	1P	ACCN: S077535
25X1	BATUMI ARMY BARRACKS SOUTH AL3				UR 413547N 0413811E		
	WAC NO : 0324 BE/OBJ NO: [REDACTED]				NPIC NO : - 3-B2		
	IDHS CODE: [REDACTED] EPF CAT : 35A				COMIREX NO: [REDACTED]		
25X1	DIA	NBRG	NDA07-5054-76	23 AUG 76	SEC CLASS: 05B MSN:	1P	ACCN: S077536
25X1	BATUMI ARMY BARRACKS AL9				UR 413650N 0413550E		
	WAC NO : 0324 BE/OBJ NO: [REDACTED]				NPIC NO : - 3-B3		
	IDHS CODE: [REDACTED] EPF CAT : 35A				COMIREX NO:		
25X1	DIA	NBRG	NDA07-5055-76	23 AUG 76	SEC CLASS: 05B MSN:	1P	ACCN: S077537
25X1	BATUMI MILITARY BARRACKS AL13				UR 413440N 0413920E		
	WAC NO : 0324 BE/OBJ NO: [REDACTED]				NPIC NO :		
	IDHS CODE: [REDACTED] EPF CAT : 35A				COMIREX NO:		
25X1	DIA	IIM	5D-05442-76	30 AUG 76	SEC CLASS: 05 MSN:	4P	ACCN: S077552
25X1	WALVISBAAI PETROLEUM PRODUCTS STORAGE				SF 225636S 0143046E		
	WAC NO : 1273 BE/OBJ NO: [REDACTED]				NPIC NO : - 2-B		
	IDHS CODE: [REDACTED] EPF CAT : 80A				COMIREX NO:		
CIA	INFR	TSD177-76	25 AUG 76		SEC CLASS: 05 [REDACTED]	3P	ACCN: S077602
25X1	KAZACH YA BUKHTA DOLPHIN RESEARCH COMPLEX				UR 443448N 0332418E		
25X1	WAC NO : 0250 BE/OBJ NO: [REDACTED]				NPIC NO : - 63-A3		
	IDHS CODE: [REDACTED] EPF CAT : 75F				COMIREX NO: [REDACTED]		
25X1	KAZACH YA BUKHTA DOLPHIN RESEARCH COMPLEX				UR 443448N 0332418E		
25X1	WAC NO : 0250 BE/OBJ NO: [REDACTED]				NPIC NO : - 63-A3		
	IDHS CODE: [REDACTED] EPF CAT : 65A				COMIREX NO: [REDACTED]		
25X1	KARADAG BIOLOGICAL STATION DOLPHIN TRNG FACIL				UR 445449N 0351228E		
25X1	WAC NO : 0249 BE/OBJ NO: [REDACTED]				NPIC NO : - 7-A1		
	IDHS CODE: [REDACTED] EPF CAT : 65A				COMIREX NO: [REDACTED]		
25X1	KARADAG BIOLOGICAL STATION DOLPHIN TRNG FACIL				UR 445449N 0351228E		

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25X1

25X1
25X1
25X1

WAC NO : 0249 BE/OBJ NO: [REDACTED] NPIC NO : - 7-A1
IDHS CODE: [REDACTED] EPF CAT : 75F COMIREX NO: [REDACTED]

25X1

DIA IIM SD-05497-76 14 SEP 76 SEC CLASS: 05 MSN: 4P ACCN: S077660

25X1
25X1

WALVISBAAI POL STORAGE CENTRAL GROUP SF 225705S 0143005E
WAC NO : 1273 BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: [REDACTED] EPF CAT : 80A COMIREX NO:

25X1

ARMY BIIB BAC24-5002-76 SEP 76 SEC CLASS: 07 MSN: 2P ACCN: S077663

25X1

MILITARY, T-72 MEDIUM TANK UR
WAC NO : BE/OBJ NO: [REDACTED] NPIC NO :
IDHS CODE: [REDACTED] EPF CAT : 35E COMIREX NO:

25X1

THIS BASIC IMAGERY INTERPRETATION BRIEF (BIIB) DESCRIBES THE NEW SOVIET MEDIUM TANK, THE T-72. THE BIIB
CONSISTS OF AN INTRODUCTION, A BASIC DESCRIPTION, A CONCLUSION, REFERENCE DATA, AND A PHOTOGRAPH. THE BIIB
IS BASED ON HAND-HELD PHOTOGRAPHY AND COLLATERAL MATERIAL CURRENT AS OF [REDACTED]

25X1
25X1

CIA BIIR RCS13-0035-76 AUG 76 SEC CLASS: 05 MSN: 8P ACCN: S077667

NOVOMOSKOVSK CHEMICAL COMBINE UR 540509N 0381106E
WAC NO : 0167 BE/OBJ NO: [REDACTED] NPIC NO : - 78-A
IDHS CODE: [REDACTED] EPF CAT : 30F COMIREX NO:

NOVOMOSKOVSK CHEMICAL COMBINE PRODUCES SYNTHETIC FIBER AND PLASTICS FEEDSTOCKS, SOLVENTS, AND
FERTILIZERS. ITS MAIN PRODUCTS INCLUDE AMMONIA, DIMETHYLTEREPHTHALATE, POLYVINYL CHLORIDE, AND
TRICHLOROETHANE, AS WELL AS AMMONIUM NITRATE, UREA, AND NITROGEN-PHOSPHOROUS-POTASSIUM FERTILIZERS. THE
COMBINE MAY ALSO PRODUCE HYDRAZINE.

THE COMBINE REPORTEDLY BEGAN OPERATION IN 1933 AND HAS BEEN EXPANDED SEVERAL TIMES SINCE THEN. DURING
THE 1971-75 FIVE YEAR PLAN, TWO IMPORTED AMMONIA PLANTS, A NITRIC ACID PLANT, AND AN AMMONIUM NITRATE
PLANT WERE CONSTRUCTED. SEVERAL PRODUCTION PLANTS THAT WERE BEGUN PRIOR TO 1971 WERE ALSO COMPLETED DURING
THE PERIOD. [REDACTED]

25X1

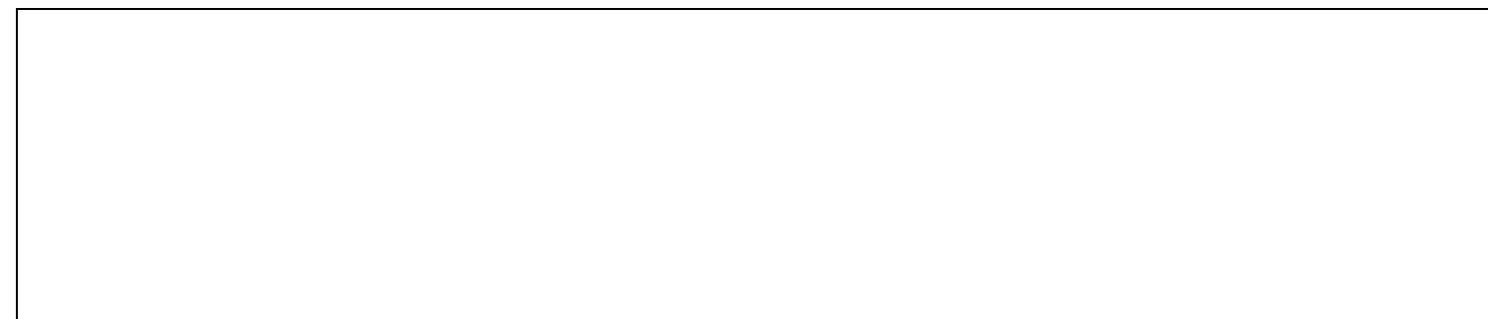
115
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25X1

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25X1
25X6



	DIA	NBRG	NDA07-5088-76	15 SEP 76	SEC CLASS: 05B	MSN:	1P	ACCN: S077684
25X1			LENINAKAN ARMY BARRACKS AL6		UR 404657N 0434949E			
25X1			WAC NO : 0325	BE/OBJ NO: [REDACTED]	NPIC NO : - 34-C1			
			IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]			
	DIA	NBRG	NDA07-5089-76	15 SEP 76	SEC CLASS: 05B	MSN:	1P	ACCN: S077685
25X1			TERMEZ ARMY BARRACKS AL3		UR 371345N 0671710E			
25X1			WAC NO : 0336	BE/OBJ NO: [REDACTED]	NPIC NO : - 8-D			
			IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:			
	DIA	NBRG	NDA07-5090-76	15 SEP 76	SEC CLASS: 05B	MSN:	1P	ACCN: S077686
25X1			SEMIPALATINSK ARMY BARRACKS AL2		UR 502305N 0801640E			
25X1			WAC NO : 0239	BE/OBJ NO: [REDACTED]	NPIC NO : - 8-B3			
			IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]			
	DIA	NBRG	NDA07-5091-76	15 SEP 76	SEC CLASS: 05B	MSN:	1P	ACCN: S077687
25X1			ITATKA ARMY BARRACKS AL4		UR 570100N 0853847E			
25X1			WAC NO : 0158	BE/OBJ NO: [REDACTED]	NPIC NO : - 10-A8			
			IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:			
	DIA	NBRG	NDA07-5092-76	15 SEP 76	SEC CLASS: 05B	MSN:	1P	ACCN: S077688
			BIYSK ARMY TRAINING AREA TA1		UR 523000N 0852500E			

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25X1

25X1	WAC NO : 0161	BE/OBJ NO: [REDACTED]	NPIC NO : - 6-C	25X1
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35B	COMIREX NO: [REDACTED]	
DIA	NBRG	NDA07-5093-76 15 SEP 76	SEC CLASS: 05B MSN:	1P
25X1	BIYSK ARMY BARRACKS AL3	UR 523200N 0850920E		
25X1	WAC NO : 0161	BE/OBJ NO: [REDACTED]	NPIC NO : - 6-E4	25X1
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]	
DIA	NBRG	NDA07-5094-76 15 SEP 76	SEC CLASS: 05B MSN:	1P
25X1	DZERZHINSK TACTICAL SSM BARRACKS SE AL2	UR 533827N 0271255E		
25X1	WAC NO : 0168	BE/OBJ NO: [REDACTED]	NPIC NO : - 101	25X1
	IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]	
DIA	NBRG	NDA07-5095-76 15 SEP 76	SEC CLASS: 05G MSN:	1P
25X1	NADAROVSKIY ARMY BARRACKS BILYUTIN AL1	UR 494940N 1170540E		
25X1	WAC NO : 0202	BE/OBJ NO: [REDACTED]	NPIC NO : - 204	25X1
	IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]	
DIA	NBRG	NDA07-5096-76 15 SEP 76	SEC CLASS: 05G MSN:	1P
25X1	SHIMANOVSK ARMY BARRACKS AL2	UR 515850N 1274045E		
25X1	WAC NO : 0203	BE/OBJ NO: [REDACTED]	NPIC NO : - 25-A1	25X1
	IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]	
DIA	NBRG	NDA07-5097-76 15 SEP 76	SEC CLASS: 05G MSN:	1P
25X1	USSURIYSK BORDER GUARDS BARRACKS AL1	UR 434930N 1315450E		
25X1	WAC NO : 0291	BE/OBJ NO: [REDACTED]	NPIC NO : - 49-H2	25X1
	IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]	
DIA	NBRG	NDA07-5105-76 30 SEP 76	SEC CLASS: 05B MSN:	1P
25X1	ASHKhabad ARMY BARRACKS AL6	UR 375450N 0582255E		
25X1	WAC NO : 0338	BE/OBJ NO: [REDACTED]	NPIC NO : - 2-N	25X1
	IDHS CODE: [REDACTED]	EPF CAT :	COMIREX NO: [REDACTED]	
DIA	NBRG	NDA07-5106-76 30 SEP 76	SEC CLASS: 05B MSN:	1P
25X1	BUZULUK ARMY BARRACKS AL1	UR 524730N 0521320E		

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25X1

25X1	WAC NO : 0165 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 35A	NPIC NO : - 8-B COMIREX NO:	
	DIA NBRG NDA07-5107-76 30 SEP 76		SEC CLASS: 05B MSN:	1P ACCN: 5077755
25X1	KAZAN ARMY TRAINING CENTER SE TA1 WAC NO : 0165 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 35B	UR 554157N 0491630E NPIC NO : - 14-Q COMIREX NO:	
25X1	DIA NBRG NDA07-5108-76 30 SEP 76		SEC CLASS: 05B MSN:	1P ACCN: 5077756
25X1	KUNGUR ARMY BARRACKS AL1/SAM SUPPORT FACILITY WAC NO : 0156 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 35A	UR 572510N 0565740E NPIC NO : - 14-B COMIREX NO: [REDACTED]	25X1
25X1	KUNGUR ARMY BARRACKS AL1/SAM SUPPORT FACILITY WAC NO : 0156 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 40C	UR 572510N 0565740E NPIC NO : - 14-B COMIREX NO: [REDACTED]	25X1
	DIA NBRG NDA07-5109-76 30 SEP 76		SEC CLASS: 05B MSN:	1P ACCN: 5077757
25X1	SVERDLOVSK ARMY BARRACKS PYSHMA AL8 WAC NO : 0156 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 35A	UR 565815N 0603620E NPIC NO : - 26-Z2 COMIREX NO: [REDACTED]	25X1
	DIA NBRG NDA07-5110-76 30 SEP 76		SEC CLASS: 05B MSN:	1P ACCN: 5077758
25X1	NALCHIK ARMY BARRACKS NE AL1 WAC NO : 0325 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 35A	UR 432957N 0433816E NPIC NO : - 42-A COMIREX NO: [REDACTED]	25X1
	DIA NBRG NDA07-5117-76 30 SEP 76		SEC CLASS: 05B MSN:	1P ACCN: 5077759
25X1	ISHIM ARMY BARRACKS AL1 WAC NO : 0157 IDHS CODE: [REDACTED]	BE/OBJ NO: [REDACTED] EPF CAT : 35A	UR 560640N 0692820E NPIC NO : - 4-A2 COMIREX NO: [REDACTED]	25X6 25X1

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25X1
25X6

AF	ENDR	C3007-76	20 AUG 76	SEC CLASS: 07	MSN:	1P	ACCN: S077811
25X1	AIRCRAFT, FISHBED H MIG-21 VENTRAL PODS NEW			UR			
	WAC NO :	BE/OBJ NO:		NPIC NO :			
	IDHS CODE:	EPF CAT :	05D	COMIREX NO:			
AF	ENDR	E1005-1-75	21 JUL 76	SEC CLASS: 04	MSN:	1P	ACCN: S077819
25X1	AIRCRAFT, FOXBAT B MIG-25			UR			
	WAC NO :	BE/OBJ NO:		NPIC NO :			
	IDHS CODE:	EPF CAT :	05D	COMIREX NO:			

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25X1

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25X1

AF ENDR E1006-1-75 21 JUL 76 SEC CLASS: 04 MSN: 1P ACCN: S077820

25X1 AIRCRAFT, FOXBAT C MIG-25
WAC NO : BE/OBJ NO: [REDACTED] UR
IDHS CODE: EPF CAT : 05D NPIC NO :
COMIREX NO:

AF ENDR E3005-76 25 AUG 76 SEC CLASS: 05 MSN: 1P ACCN: S077825

25X1 AIRCRAFT, HOOK MI-6 ELECTRONIC MODIFICATIONS
WAC NO : BE/OBJ NO: [REDACTED] UR
IDHS CODE: EPF CAT : 05D NPIC NO :
COMIREX NO:

ARMY NOTE 11-76 SEP 76 SEC CLASS: 05 MSN: 3P ACCN: S077830

25X1 AIRCRAFT, HELICOPTER HEAVY-LIFT PROTOTYPE NEW
WAC NO : BE/OBJ NO: [REDACTED] UR
IDHS CODE: EPF CAT : 05D NPIC NO :
COMIREX NO:
MOSKVA/LYUBERTSY AIRFIELD HELICOPTER NEW
WAC NO : 0167 BE/OBJ NO: [REDACTED] UR 554105N 0375120E
IDHS CODE: EPF CAT : 05A NPIC NO : - 46-E
COMIREX NO: [REDACTED]

25X1

ARMY REPT RAC24-8002-76 APR 76 SEC CLASS: 05 MSN: 23P ACCN: S077831

25X6 MILITARY, OBSTACLE COURSES
WAC NO : BE/OBJ NO: [REDACTED] UR
IDHS CODE: EPF CAT : 35B NPIC NO :
COMIREX NO:

MILITARY, OBSTACLE COURSES
WAC NO : BE/OBJ NO: [REDACTED] PL
IDHS CODE: EPF CAT : 35B NPIC NO :
COMIREX NO:
MILITARY, OBSTACLE COURSES
WAC NO : BE/OBJ NO: [REDACTED] HU
IDHS CODE: EPF CAT : 35B NPIC NO :
COMIREX NO:
MILITARY, OBSTACLE COURSES
WAC NO : BE/OBJ NO: [REDACTED] RO
IDHS CODE: EPF CAT : 35B NPIC NO :

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25X1

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25X1

IDHS CODE:	EPF CAT : 35B	COMIREX NO:
MILITARY, OBSTACLE COURSES		CZ
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35B	COMIREX NO:
MILITARY, OBSTACLE COURSES		BU
WAC NO :	BE/OBJ NO:	NPIC NO :
IDHS CODE:	EPF CAT : 35B	COMIREX NO:

THIS PUBLICATION CONTAINS PHOTOGRAPHS AND LINE DRAWINGS OF BASIC AND SPECIALIZED OBSTACLE COURSES USED BY GROUND FORCES OF THE SOVIET UNION AND OTHER WARSAW PACT COUNTRIES.
THE INFORMATION CONTAINED IN THIS REPORT IS CURRENT

25X1

ARMY	REPT	RAC24-8003-76	JUL 76	SEC CLASS: 05	MSN:	15P	ACCN: S077832
25X1	MILITARY, GMZ ARMORED TRACKED MINELAYER		UR				
	WAC NO :	BE/OBJ NO:	NPIC NO :				
	IDHS CODE:	EPF CAT : 35E	COMIREX NO:				

THIS REPORT PROVIDES A DETAILED DESCRIPTION AND ANALYSIS OF THE CHARACTERISTICS AND OPERATIONAL PROCEDURES OF THE ORIGINAL AND THE MODIFIED VERSIONS OF THE SOVIET GMZ ARMORED TRACKED MINELAYER. THE GMZ IS THE FIRST TRACKED, SELF-PROPELLED MINELAYER TO APPEAR IN THE SOVIET INVENTORY, AND NOW IS CONSIDERED TO BE STANDARD EQUIPMENT. THE GMZ CAPABILITY OF RAPID MINE EMPLACEMENT CLOSE TO THE BATTLEFRONT, TOGETHER WITH FULL ARMORED PROTECTION FOR THE CREW, SIGNIFICANTLY IMPROVES THE SOVIET MINE WARFARE CAPABILITY.
INFORMATION CONTAINED IN THIS REPORT WAS DERIVED FROM SELECTED GROUND AND AERIAL IMAGERY AND INTELLIGENCE REPORTS.

THIS REPORT CONTAINS ANNOTATED PHOTOGRAPHS, A PHYSICAL DESCRIPTION, A FUNCTIONAL DESCRIPTION, A LINE DRAWING WITH DIMENSIONS, AND A REFERENCE SECTION. DATA ARE CURRENT

25X1

ARMY	REPT	RAC24-8004-76	AUG 76	SEC CLASS: 05	MSN:	12P	ACCN: S077833
25X1	VYPOLZOV MILITARY TRNG AREA 1 KIYEV AA RANGE		UR	510130N 0304428E			
	WAC NO : 0233	BE/OBJ NO:	NPIC NO :	- 81			
	IDHS CODE: []	EPF CAT : 35B	COMIREX NO:	[]			
MILITARY, AA GUNNERY RANGE LOW-ALTITUDE		UR					25X1
WAC NO :	BE/OBJ NO:	NPIC NO :					
IDHS CODE:	EPF CAT : 35B	COMIREX NO:					

THIS DSIIR PROVIDES INFORMATION ABOUT A SOVIET LOW-ALTITUDE ANTI AIRCRAFT GUNNERY TRAINING RANGE LOCATED AT VYPOLZOV TRAINING AREA 1, KIYEV NNE, NORTH OF VYPOLZOV ARMY BARRACKS AL 1 IN THE KIYEV MILITARY DISTRICT. THE RANGE CONFIGURATION INDICATES THAT THE SOVIETS ARE DEVELOPING TACTICS TO COUNTER THE THREAT POSED TO THEIR ARMORED FORCES BY US AIRCRAFT, ESPECIALLY ATTACK HELICOPTERS. VYPOLZOV ARMY BARRACKS AL 1 HOUSES A TANK-TRAINING DIVISION AND IS A MAJOR SOVIET ARMORED TRAINING CENTER. ONE OF THE FIRST

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25X1
DEPLOYMENTS OF THE T-72 (M-1970) TANK OCCURRED THERE [REDACTED]
INCLUDED ARE ANNOTATED PHOTOS, A BASIC DESCRIPTION, AND REFERENCE DATA. INFORMATION USED IS CURRENT AS
OF [REDACTED]

25X1
25X1



AF BREF BEE05-8015-76 21 JUN 76 SEC CLASS: 05 MSN: 4P ACCN: 5077845

25X1
25X1
BALKHASH AIRFIELD HANGARETTE CONSTRUCTION UR 465331N 0750017E
WAC NO : 0244 BE/OBJ NO: [REDACTED] NPIC NO : - 4-A
IDHS CODE: [REDACTED] EPF CAT : 05A COMIREX NO: [REDACTED]

25X1

25X1
25X1
THIS DIRECT SUPPORT IMAGERY INTERPRETATION BRIEF (DSIIB) PRESENTS GENERAL INFORMATION ON THE
CONSTRUCTION OF CORRUGATED STEEL ARCH HANGARETTES AT BALKHASH AIRFIELD, USSR. THE INFORMATION PRESENTED IS
DERIVED FROM SATELLITE PHOTOGRAPHY AND IS CURRENT [REDACTED] THIS REPORT INCLUDES A BASIC
DESCRIPTION AND ANNOTATED PHOTOS OF BALKHASH AIRFIELD AND HANGARETTE CONSTRUCTION ACTIVITY THERE.

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Approved For Release 2005/11/21 : CIA-RDP78B04560A007500010005-8

Approved For Release 2005/11/21 : CIA-RDP78B04560A007500010005-8

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25X1

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DIA	NBRG	NDA07-5060-76	20 SEP 76	SEC CLASS: 05G MSN:	1P	ACCN: S077867
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25X1

SHIHCHIACHUANG MILITARY AREA 1		
WAC NO :	0382	BE/OBJ NO: [REDACTED]
IDHS CODE:	[REDACTED]	EPF CAT : 35

25X1

25X1

25X1

DIA	NBRG	NDA07-5061-76	20 SEP 76	SEC CLASS: 05G MSN:	1P	ACCN: S077868
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25X1

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25X1

25X1	WAC NO : 0382 IDHS CODE: 	BE/OBJ NO: EPF CAT : 35A	NPIC NO : - 50-A3 COMIREX NO:		
DIA	NBRG NDA07-5067-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077874
25X1	HSINGTAI ARMY BARRACKS AL7 WAC NO : 0382 IDHS CODE: 	BE/OBJ NO: EPF CAT : 35A	CH 370313N 1142725E NPIC NO : - 50-E7 COMIREX NO: 		25X1
DIA	NBRG NDA07-5068-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077875
25X1	HSINGTAI ARMY BARRACKS ALS WAC NO : 0382 IDHS CODE: 	BE/OBJ NO: EPF CAT : 35A	CH 370526N 1142644E NPIC NO : - 50-A2 COMIREX NO:		
DIA	NBRG NDA07-5069-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077876
25X1	HSINGTAI ARMY BARRACKS AL6 WAC NO : 0382 IDHS CODE: 	BE/OBJ NO: EPF CAT : 35A	CH 370703N 1142712E NPIC NO : - 50-A5 COMIREX NO: 		25X1
DIA	NBRG NDA07-5070-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077877
25X1	NEICHIU ARMY BARRACKS NNE AL1 WAC NO : 0382 IDHS CODE: 	BE/OBJ NO: EPF CAT : 35A	CH 372220N 1143116E NPIC NO : - 47 COMIREX NO: 		25X1
DIA	NBRG NDA07-5071-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077878
25X1	HSINGTAI ARMY BARRACKS AL4 WAC NO : 0382 IDHS CODE: 	BE/OBJ NO: EPF CAT : 35A	CH 370439N 1142733E NPIC NO : - 50 COMIREX NO: 		25X1
DIA	NBRG NDA07-5072-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077879
25X1	HANTAN MILITARY AREA 1 WAC NO : 0382 IDHS CODE: 	BE/OBJ NO: EPF CAT : 35A	CH 3635 N 11429 E NPIC NO : COMIREX NO:		
DIA	NBRG NDA07-5073-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077880
	HANTAN ARMY BARRACKS AL3 + HQ INFANTRY DIV		CH 363820N 1141730F		

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25X1

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25X1

25X1	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 48-N	
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]	
DIA	NBRG NDA07-5074-76 20 SEP 76		SEC CLASS: 05G MSN:	1P
25X1	HANTAN ARMY BARRACKS AL11		CH 364040N 1141510E	
	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 48-N1	
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:	
DIA	NBRG NDA07-5075-76 20 SEP 76		SEC CLASS: 05G MSN:	1P
25X1	HANTAN ARMY BARRACKS WNW AL2		CH 363701N 1142654E	
	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 48	
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]	25X1
DIA	NBRG NDA07-5076-76 20 SEP 76		SEC CLASS: 05G MSN:	1P
25X1	HANTAN ARMY BARRACKS WEST AL4		CH 363616N 1142506E	
	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 48-J1	
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]	25X1
DIA	NBRG NDA07-5077-76 20 SEP 76		SEC CLASS: 05G MSN:	1P
25X1	HANTAN ARMY BARRACKS NORTH AL1		CH 364014N 1142752E	
	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 48-A1	
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]	25X1
DIA	NBRG NDA07-5078-76 20 SEP 76		SEC CLASS: 05G MSN:	1P
25X1	HANTAN ARMY BARRACKS AL14		CH 364500N 1142129E	
	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 48-A3	
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]	25X1
DIA	NBRG NDA07-5079-76 20 SEP 76		SEC CLASS: 05G MSN:	2P
25X1	HANTAN ARMY BARRACKS WEST AL5		CH 363652N 1142416E	
	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 48-J	
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]	25X1
DIA	NBRG NDA07-5080-76 20 SEP 76		SEC CLASS: 05G MSN:	1P
	HUOLU MILITARY AREA 1		CH 3805 N 11418 E	
				ACCN: S077881
				ACCN: S077882
				ACCN: S077883
				ACCN: S077884
				ACCN: S077885
				ACCN: S077886
				ACCN: S077887

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25X1

25X1	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO :		
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35	COMIREX NO:		
DIA	NBRG NDA07-5081-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077888
25X1	HUOLU MILITARY BARRACKS AL1 + HQ INFANTRY DIV	CH 380526N 1141807E			
25X1	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 29-A		
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:		
DIA	NBRG NDA07-5082-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077889
25X1	PINGCHIUTSUN ARMY BARRACKS AL1	CH 381030N 1142350E			
25X1	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 11-P		
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:		
DIA	NBRG NDA07-5083-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077890
25X1	HUOLU ARMY BARRACKS AL6	CH 380244N 1142212E			
25X1	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 29-A5		
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:		25X1
DIA	NBRG NDA07-5084-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077891
25X1	HUOLU ARMY BARRACKS AL4	CH 380600N 1142040E			
25X1	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 29-A3		
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:		25X1
DIA	NBRG NDA07-5085-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077892
25X1	HUOLU ARMY BARRACKS AL3	CH 380718N 1141954E			
25X1	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 29-A2		
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:		25X1
DIA	NBRG NDA07-5086-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077893
25X1	HUOLU ARMY BARRACKS AL5	CH 380337N 1141950E			
25X1	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 29-A4		
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO:		25X1
DIA	NBRG NDA07-5087-76 20 SEP 76		SEC CLASS: 05G MSN:	1P	ACCN: S077894
	HUOLU ARMY BARRACKS AL2	CH 380610N 1141828E			

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25X1

25X1	WAC NO : 0382	BE/OBJ NO: [REDACTED]	NPIC NO : - 29-A1		
25X1	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]		
	DIA NBRG NDA07-5098-76 24 SEP 76		SEC CLASS: 05B MSN:	1P	ACCN: S077895
25X1	TYUMEN ARMY BARRACKS AL1		UR 570930N 0653020E		
25X1	WAC NO : 0156	BE/OBJ NO: [REDACTED]	NPIC NO : - 28-A1		
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]		25X1
	DIA NBRG NDA07-5099-76 24 SEP 76		SEC CLASS: 05B MSN:	1P	ACCN: S077896
25X1	KAZANDZHIK ARMY BARRACKS AL1		UR 391500N 0553000E		
25X1	WAC NO : 0338	BE/OBJ NO: [REDACTED]	NPIC NO : - 13-A		
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]		25X1
	DIA NBRG NDA07-5100-76 24 SEP 76		SEC CLASS: 05B MSN:	1P	ACCN: S077897
25X1	TOLOTAN ARMY BARRACKS AL1		UR 371735N 0622208E		
25X1	WAC NO : 0337	BE/OBJ NO: [REDACTED]	NPIC NO : - 39		
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]		25X1
	DIA NBRG NDA07-5101-76 24 SEP 76		SEC CLASS: 05B MSN:	1P	ACCN: S077898
25X1	ASHKHABAD ARMY BARRACKS WEST AL1/SAM SUPPORT		UR 375558N 0581644E		
25X1	WAC NO : 0338	BE/OBJ NO: [REDACTED]	NPIC NO : - 2-R		
	IDHS CODE: [REDACTED]	EPF CAT : 35A	COMIREX NO: [REDACTED]		25X1
25X1	ASHKHABAD ARMY BARRACKS WEST AL1/SAM SUPPORT		UR 375558N 0581644E		
25X1	WAC NO : 0338	BE/OBJ NO: [REDACTED]	NPIC NO : - 2-R		25X6
	IDHS CODE: [REDACTED]	EPF CAT : 40C	COMIREX NO: [REDACTED]		25X1

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25X1

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25X1

DIA	NBRG	NDA07-5104-76	30 SEP 76	SEC CLASS: 05B	MSN:	1P	ACCN: S077901
25X1	ASHKABAD ARMY BARRACKS AL2/HQ ARTILLERY DIV			UR	375742N 0582023E		
25X1	WAC NO :	0338	BE/OBJ NO:	NPIC NO :	- 2-B		
	IDHS CODE:		EPF CAT :	COMIREX NO:			
ARMY	TP	TP001-76	SEP 76	SEC CLASS: 04	MSN:	19P	ACCN: S077904
	PHOTO, AN/APS-94D IMAGERY ELCT INTERFERENCE			NPIC NO :			
	WAC NO :	BE/OBJ NO:	NPIC NO :				
	IDHS CODE:	EPF CAT : 65	COMIREX NO:				
	ELECTRONICS, INTERFERENCE AN/APS-94 IMAGERY						
	WAC NO :	BE/OBJ NO:	NPIC NO :				
	IDHS CODE:	EPF CAT : 25A	COMIREX NO:				

THIS TECHNICAL PUBLICATION HAS BEEN PREPARED TO AID IMAGE INTERPRETERS IN ASSESSING THE IMPACT OF ELECTRONIC INTERFERENCE ON THE INTERPRETATION OF AN/APS-94D SLAR IMAGERY. SINCE THE SIMILARITY BETWEEN MOVING TARGET DATA AND INTERFERENCE PATTERNS REQUIRES A MORE DISCRIMINATING TECHNIQUE OF INTERPRETATION, THE PUBLICATION CONTAINS A BRIEF REVIEW OF MOVING TARGET PRINCIPLES AND INTERFERENCE PATTERNS. EXAMPLES OF INTERFERENCE ON SLAR IMAGERY COLLECTED IN CONUS AND EUROPE ARE COMPARED WITH MOVING TARGET DATA. THE POTENTIAL VULNERABILITY OF THE AN/APS-94D TO STATE-OF-THE-ART ELECTRONIC COUNTERMEASURES (ECM) IS ILLUSTRATED BY IMAGERY RECORDED IN A TEST OF TWO SOVIET ECM TRANSMITTERS.

THE PUBLICATION CONCLUDES THAT OPERATIONAL AN/APS-94D IMAGERY, AVAILABLE TO DATE, HAS NOT CONTAINED EXAMPLES OF ELECTRONIC INTERFERENCE OF SUFFICIENT SATURATION TO PRECLUDE IMAGE INTERPRETERS FROM DETECTING MOVING TARGETS, ONCE THE INTERPRETERS ARE FAMILIAR WITH THE VARIOUS SIGNATURE PATTERNS. INTERFERENCE CAUSED BY THE SOVIET TUB BRICK AND KING PIN ECM TRANSMITTERS WAS EFFECTIVE, HOWEVER, IN OBLITERATING ALL DETAILS FOR SEVERAL MINUTES ON BOTH MOVING AND FIXED TARGET IMAGERY.

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25X1

List of Conversion Factors by Classification

UNITS OF LENGTH			UNITS OF MASS		
IF YOU HAVE	MULTIPLY BY	TO OBTAIN	IF YOU HAVE	MULTIPLY BY	TO OBTAIN
MILLIMETERS	0.0394	INCHES	KILOGRAMS	2.2046	POUNDS(AVOIR.)
CENTIMETERS	0.3937	INCHES	POUNDS(AVOIR.)	0.4536	KILOGRAMS
INCHES	25.4000	MILLIMETERS	SHORT TONS	0.9072	METRIC TONS
INCHES	2.5400	CENTIMETERS	METRIC TONS	1.1023	SHORT TONS
FEET	0.3048	METERS	METRIC TONS	0.9842	LONG TONS
FEET	0.0003	KILOMETERS	LONG TONS	1.0160	METRIC TONS
YARDS	0.9144	METERS			
METERS	3.2808	FEET			
METERS	0.0005	MILES(NAUTICAL)			
METERS	1.0936	YARDS			
KILOMETERS	3280.8400	FEET			
KILOMETERS	0.8214	MILES(STATUTE)			
KILOMETERS	0.5400	MILES(NAUTICAL)			
MILES(STATUTE)	1.6093	KILOMETERS	LITERS	0.2642	GALLONS
MILES(NAUTICAL)	8076.1154	FEET	LITERS	0.0063	BARRELS(POL)
MILES(NAUTICAL)	1.8520	KILOMETERS	GALLONS	0.0010	CUBIC METERS
MILES(NAUTICAL)	1852.0000	METERS	GALLONS	3.7854	LITERS
			GALLONS	0.1337	CUBIC FEET
			GALLONS	0.0238	BARRELS(POL)
			GALLONS	0.0038	CUBIC METERS
			BUSHELS	0.0352	CUBIC METERS
			CUBIC FEET	7.4805	GALLONS
			CUBIC FEET	0.1781	BARRELS(POL)
			CUBIC FEET	0.0283	CUBIC METERS
			CUBIC YARDS	0.7646	CUBIC METERS
			BARRELS(POL)	158.9873	LITERS
			BARRELS(POL)	42.0000	GALLONS
			BARRELS(POL)	5.6146	CUBIC FEET
			BARRELS(POL)	0.1590	CUBIC METERS
			CUBIC METERS	1000.0000	LITERS
			CUBIC METERS	264.1721	GALLONS
			CUBIC METERS	35.3147	CUBIC FEET
			CUBIC METERS	28.3776	BUSHELS
ACRES	4046.8564	SQUARE METERS	CUBIC METERS	6.2898	BARRELS(POL)
ACRES	0.4047	HECTARES	CUBIC METERS	1.3080	CUBIC YARDS
HECTARES	10000.0000	SQUARE METERS	CUBIC METERS		
HECTARES	2.4711	ACRES			

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